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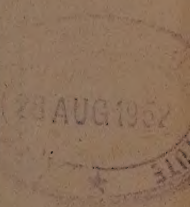
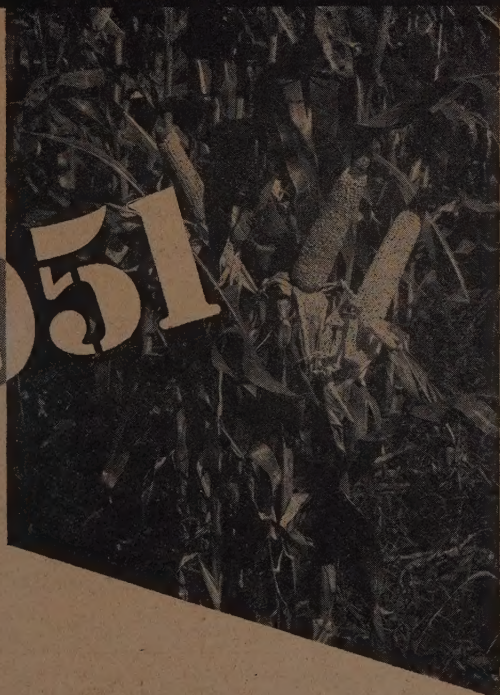
FEBRUARY, 1952

BULLETIN P112



IOWA CORN YIELD TEST

1951



AGRICULTURAL EXPERIMENT STATION—AGRICULTURAL EXTENSION SERVICE
IOWA CROP IMPROVEMENT ASSOCIATION
BUREAU OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING
AGRICULTURAL RESEARCH ADMINISTRATION
UNITED STATES DEPARTMENT OF AGRICULTURE, Cooperating

IOWA STATE COLLEGE

AMES, IOWA

FOREWORD

This bulletin reports the results of the 1951 Iowa Corn Yield Test in which the performance of 261 different corn hybrids was compared.

The state was divided into four sections, each of which was subdivided into three districts. A test field was planted in each district except district 10, where the prolonged wet spring forced us to abandon our planting plans. With the exception of district 10 in the southern section, each hybrid entry was tested in all three districts of a section. The map shows how we divided the state into sections and districts and the approximate location of the farms where the hybrids were compared.

Any producer of hybrid corn seed was eligible to enter his corn in the test. Ten widely grown hybrids in each section also were entered by the Iowa Corn and Small Grain Growers' Association.

In the back of the bulletin you will find an index listing the hybrids tested in 1951. The index also lists the table numbers where the performance record of each entry is shown and indicates whether the hybrid is a single, three-way, double or multiple cross.

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Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts, Floyd Andre, director, Ames, Iowa.

The 1951 Iowa Corn Yield Test¹

By JOE L. ROBINSON and CHARLES D. HUTCHCROFT²

THE IOWA CORN YIELD TEST has been conducted annually since 1920 by the Iowa Corn and Small Grain Growers' Association in cooperation with the Iowa Agricultural Experiment Station. In 1951 the Iowa Corn and Small Grain Growers' Association was combined with the Iowa Crop Improvement Association. This change became effective July 4, 1951.

The majority of hybrids tested in the Iowa Corn Yield Test were entered voluntarily by commercial hybrid corn companies. In addition, several hybrids were tested for the Agronomy (Farm Crops) Department and U.S.D.A. and for the Iowa Crop Improvement Association. The Iowa Crop Improvement Association entries are classified as follows:

a. Hybrids widely grown in each section as determined by

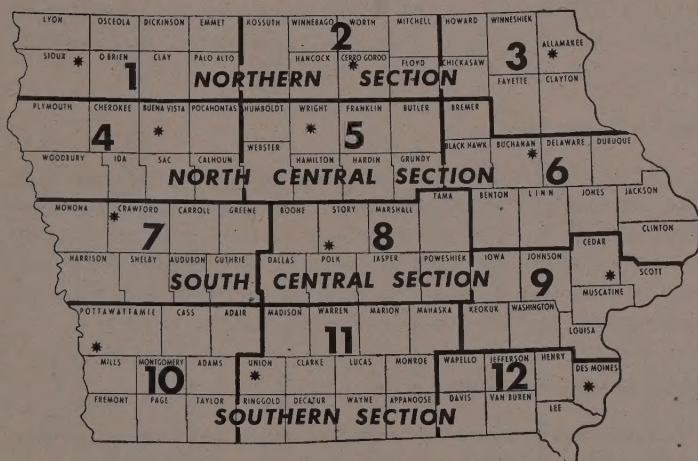


Fig. 1. Division of the state into sections and districts. Each dot shows the location of a test field.

¹ Project 1170 of the Iowa Agricultural Experiment Station. The Iowa Corn Yield Test is conducted cooperatively by the Iowa Corn and Small Grain Growers' Association (now Iowa Crop Improvement Association); Agronomy (Farm Crops) Department, Iowa Agricultural Experiment Station; and the Division of Cereal Crops and Diseases, Bureau of Plant Industry, Soils and Agricultural Engineering, Agricultural Research Administration, United States Department of Agriculture.

² Secretary of the Iowa Corn and Small Grain Growers' Association and research professor, Agronomy (Farm Crops) Department, Iowa Agricultural Experiment Station; and associate in Agronomy (Farm Crops) Department, Iowa Agricultural Experiment Station, respectively.

a survey of farmers. You will find these hybrids listed in the tables as entered by the Iowa Corn and Small Grain Growers' Association.

b. Hybrids designated in the 1951 certification handbook as base hybrids. Four hybrids in each section were selected as base hybrids. To be eligible for certification a hybrid must meet certain minimum requirements, when compared with the average performance of the four base hybrids in the appropriate section.

c. Station hybrids entered to establish a performance record to determine eligibility for certification.

Location of Test Fields

Figure 1 shows how the state was divided into 12 districts and these in turn into 4 sections.

Each entry was planted in all three districts of a section, except in the southern section. Plans were made to locate the district 10 test field on the Robert Behrens farm near Council Bluffs. Due to excessive rain this experimental field was not planted.

Soil Information

At planting time a soil sample was taken from each test field. We also obtained information about past soil management from each cooperator. The soil type was determined by members of the soils staff and the sample was tested by the Iowa State College Soil Testing Laboratory. Information about soil type, soil management and soil fertility is summarized in table 1.

How Entries Were Handled

Basic requirements for each commercial hybrid entry were as follows:

a. At least 50 bushels of each hybrid must have been available for planting in 1951.

b. All seed samples for planting were taken at random by representatives of the Iowa Crop Improvement Association. Large quantities of seed were often sampled at more than one location. These samples were taken from seed to be sold to farmers.

TABLE 1. INFORMATION ABOUT THE SOIL ON WHICH THE TEST PLOTS WERE PLANTED.

| Location | Soil type* | Lime require- ment | Available phos- phorus | Available potas- sium | Organic matter | Previous management |
|----------------------------------|---|--------------------------|------------------------------|-----------------------------|-------------------|--|
| DISTRICT 1 Sioux County | Marcus silty clay loam | None | Medium | High | Medium High | Corn 1949; Flax 1950; 125 lb. 0-20-0 1951; 1 ton lime 1949. |
| DISTRICT 2 Cerro Gordo County | Carrington & Floyd silt loams | None | Low | Medium Low | Medium | Oats 1949; Timothy-Alfalfa pasture 1950; 8 tons manure 1950; 2½ tons lime 1944. |
| DISTRICT 3 Allamakee County | Downs silt loam | None | Medium | Medium | Medium Low | Hay 1949; Pasture 1950; 3 tons lime 1950. |
| DISTRICT 4 Buena Vista County | Webster & Nicollet silty clay loams | None | High | Medium High | Medium High | Oats 1949; Red Clover-Brome pasture 1950; 200 lb. 6-24-0 1951; 5 tons manure 1950. |
| DISTRICT 5 Wright County | Webster silty clay loam & Nicollet loam | None | Medium | Medium | High | Oats 1949; Clover 1950. |
| DISTRICT 6 Buchanan County | Floyd & Carrington silt loams | 4 tons | Medium Low | Medium | Medium | Oats 1949; Clover 1950; 4 tons lime 1947. |
| DISTRICT 7 Crawford County | Marshall silt loam | 1½ tons | Medium | Very high | Medium | Oats 1949; Clover 1950; 12 tons manure 1951. |
| DISTRICT 8 Story County | Webster silty clay loam & Nicollet loam | None | Medium Low | Medium Low | High | Corn 1949; Barley 1950; 6 tons manure 1949. |
| DISTRICT 9 Cedar County | Tama silt loam | None | Medium | High- Very high | Medium | Oats 1949; Clover & Timothy 1950. |
| DISTRICT 11 Union County | Winterset silty clay loam | None | Medium | High | Medium | Oats 1949; Clover 1950; 150 lbs. 0-45-0 1949; 5 tons manure 1947; 2½ tons lime 1944. |
| DISTRICT 12 Des Moines County | Talbot silty clay loam | None | Low | Medium | Medium High | Corn 1949; Soybeans 1950; 100 lbs. 0-46-0 1950; 100 lbs. 0-33-0 1951; 3 tons lime 1946. |

* The soil types indicated above were approved by F. F. Riesen, research professor of soils, Iowa State College, Ames, Iowa.

c. Each hybrid was entered only under the name of the grower of the seed.

At planting time each entry was given a number. The entries were known only by this number until after the plots were harvested and the calculations completed. Therefore, no person concerned with the test knew the identity of any entry.

Method of Conducting Experiments

In northern, north central and south central Iowa, 81 hybrids were tested in each district of each section in a 9 x 9 lattice square design with 5 replications. In southern Iowa 64 hybrids were tested in districts 11 and 12, using an 8 x 8 triple lattice design with 6 replications. Three kernels per hill were hand-planted in 2 x 10 hill plots in all districts except 8. A 2 x 8 hill plot was planted in district 8 with a 2-row International 120 planter, converted for plot planting.

Seven characteristics of each hybrid were recorded and summarized. Yield is given in bushels per acre with moisture adjusted to 15.5 percent. Field weights were corrected to a full-

stand basis when 25 percent of the hills or less were missing. An estimated yield was calculated for plots having more than 25 percent missing hills. No correction was made for stand variation unless the entire hill was missing.

It is not possible to determine yielding ability with absolute accuracy by any method of testing. Therefore, you should not conclude that any one hybrid is higher yielding than another if the differences shown in the tables are very small. You will find figures in bushels per acre below each district and section table which show the number of bushels two hybrids must differ in yield

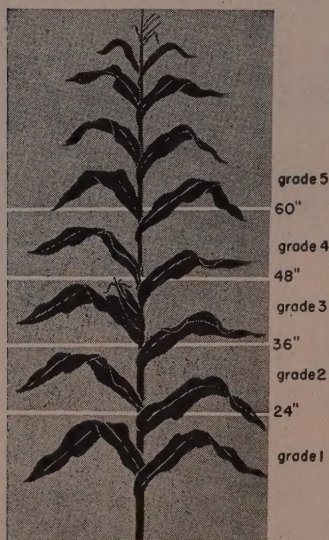


Fig. 2. Ear shown on stalk above is at grade 3.

before they can be considered significantly different in yielding ability.

Rather than using yield as the sole basis for ranking the hybrids, we have used a performance score. All hybrids in each table are ranked by this performance score which is based on four factors—yield, moisture, lodging and dropped ears. Fifty percent of the performance score is for yield, 20 percent is for dryness of corn, 20 percent for resistance to lodging and 10 percent for resistance to ear dropping.

You will find information about each hybrid in tables 4 to 22. The tables are divided into three classes.

1. Period-of-years tables. These show averages for hybrids tested each year for the past 2, 3 and 4 years. A record for each section is given in tables 4 to 7, inclusive.

2. Section tables. There are four of these—tables 8 to 11, inclusive. They contain the averages for the districts in 1951.

3. District tables. Tables 12 to 22, inclusive, report the results from each test field harvested in 1951.

When selecting a hybrid, choose one that is in production. The amount of seed available for planting in 1951 is listed in the tables. Entries marked "Comp." indicate the sample was a "composite" from several growers. These were tested to determine their eligibility for certification. You may obtain a list of the producers of composite hybrids by writing to the Iowa Crop Improvement Association.

The column headed "bushels available for planting in 1951" indicates the amount available only for that year. In new hybrids, the amount of seed available for planting in 1952 may be much greater.

Some of the information about each entry was obtained in early September. We counted the stalks and number of missing

hills in each plot. Average ear height also was recorded. This is the distance from the ground to where the ear shank attaches to the stalk. Five grades were used. They are shown in fig. 2. Grade 1 is under 24 inches; grade 2, 24-36 inches; grade 3, 36-48 inches; grade 4, 48-60 inches; grade 5, over 60 inches.

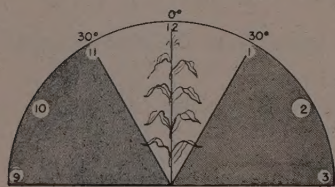


FIG. 3. Stalks leaning into shaded area (30° or more from vertical) are counted root-lodged.

Just before harvest each entry was checked for root lodging, stalk lodging and number of dropped ears. We counted the number of plants broken below the ear in each plot. We called these stalk-lodged. Plants leaning more than 30 degrees from upright we called root-lodged, as shown in fig. 3. Ears that had fallen to the ground were counted as dropped ears.

Moisture percentages were determined by removing two rows of kernels from several ears taken from each of three replications. The shelled corn was placed in two airtight moisture cans. These cans were taken to Ames where a Tag-Heppenstall moisture meter was used to make the moisture tests. An average of the two tests gave us the moisture content in the corn when it was harvested.

Results for 1951

A comparison of averages in the yield test for each of the past 17 years is shown in table 2. This shows that the corn in the 1951 test had the best stand and the most moisture in the 17 years. While yield, lodging and dropped ears varied only slightly from the 17-year average, both yield and dropped ears were slightly below average and lodging above average.

Weather plays an important part in the growth of corn. And 1951 was no exception. Rainfall averaged higher and temperatures lower than normal. The following weather information for May through November is from 1951 Climatological Data³ for Iowa.

| Month | RAINFALL IN INCHES | | TEMP. IN DEGREES FAHRENHEIT | |
|-----------------|-----------------------|--------------------------|--------------------------------|--------------------------|
| | State av. | Departure from normal | State av. | Departure from normal |
| May ----- | 5.09 | +1.13 | 62.2 | +1.8 |
| June ----- | 6.11 | +1.57 | 65.2 | -4.3 |
| July ----- | 4.45 | +0.85 | 72.1 | -2.8 |
| August ----- | 6.21 | +2.45 | 70.5 | -2.1 |
| September ----- | 2.52 | -1.49 | 59.8 | -4.6 |
| October ----- | 3.28 | +0.99 | 52.0 | -0.5 |
| November ---- | 1.30 | -0.42 | 31.0 | -6.4 |

The following statements are taken from the climatological report.

"The records show June to be 7th coolest, August 6th wettest, September 9th coldest and November 6th coldest since 1873. The Iowa corn crop had the highest moisture on November 20 ever recorded since checking started in 1928."

³ Climatological Data for Iowa, May through November. U. S. Department of Commerce, Weather Bureau, 1951.

TABLE 2. SUMMARY OF RESULTS FROM THE AVERAGE OF ALL DISTRICTS FOR THE 17-YEAR PERIOD 1935 TO 1951, INCLUSIVE

| Year | Average yield bu./acre | Average stand pct. | Average moisture pct. | Average lodging pct. | Average dropped ears pct. |
|---------|------------------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|
| 1935 | 66.08 | 78.3 | 24.1 | 15.9 | 1.4 |
| 1936 | 38.02 | 77.8 | 19.5 | 22.0 | 2.6 |
| 1937 | 72.63 | 84.8 | 21.0 | 18.7 | 0.8 |
| 1938 | 73.03 | 80.7 | 16.7 | 14.5 | 1.2 |
| 1939 | 78.21 | 84.1 | 15.1 | 16.4 | 3.1 |
| 1940 | 71.99 | 85.2 | 19.4 | 6.9 | 0.6 |
| 1941 | 68.31 | 87.2 | 20.7 | 34.9 | 1.0 |
| 1942 | 82.13 | 82.4 | 21.9 | 8.2 | 0.2 |
| 1943 | 83.13 | 78.9 | 24.7 | 9.1 | 0.2 |
| 1944 | 76.63 | 84.9 | 21.6 | 4.7 | 0.3 |
| 1945 | 71.76 | 86.8 | 24.9 | 28.3 | 0.8 |
| 1946 | 88.11 | 80.4 | 22.9 | 24.0 | 0.6 |
| 1947 | 55.12 | 80.6 | 18.3 | 27.9 | 1.0 |
| 1948 | 88.75 | 82.0 | 19.8 | 14.1 | 1.1 |
| 1949 | 77.28 | 84.5 | 17.2 | 34.5 | 8.6 |
| 1950 | 74.77 | 85.5 | 20.0 | 13.0 | 0.6 |
| 1951 | 70.59 | 87.4 | 27.7 | 21.1 | 0.4 |
| Average | 72.74 | 83.0 | 20.9 | 18.5 | 1.4 |

The average high moisture readings in the 1951 Iowa Corn Yield Test show the effect of the higher than normal rainfall and cooler temperatures.

Average moisture for the 11 fields was 27.7 percent. This is 2.8 percent above the average for 1945, the next wettest year. Five of the eleven test fields harvested in 1951 averaged over 30 percent moisture. You'll find the date when each field was harvested listed above the district tables. Table 3 shows a summary of the performance of each test field harvested.

TABLE 3. A SUMMARY OF THE 1951 FIELD RESULTS—AVERAGE PERFORMANCE BY FIELDS.

| District | Yield bu./acre | Stand pct. | Moisture pct. | Lodging pct. | | Dropped ears pct. |
|----------|-------------------|---------------|------------------|-----------------|-------|-------------------------|
| | | | | root | stalk | |
| 1 | 47.27 | 88.5 | 34.8 | 1.8 | 4.5 | 0.6 |
| 2 | 59.07 | 88.0 | 31.0 | 0.9 | 5.4 | 0.1 |
| 3 | 53.05 | 78.9 | 35.5 | 5.9 | 2.3 | 0.0 |
| 4* | 75.22 | 83.4 | 24.4 | 0.1 | 9.2 | 0.3 |
| 5 | 92.41 | 87.7 | 20.7 | 0.2 | 11.2 | 0.2 |
| 6 | 63.96 | 88.6 | 31.9 | 11.4 | 1.8 | 0.2 |
| 7 | 59.71 | 82.0 | 30.1 | 49.6 | 10.4 | 2.0 |
| 8 | 74.35 | 82.2 | 24.2 | 0.7 | 2.9 | 0.0 |
| 9 | 89.26 | 86.4 | 26.3 | 8.0 | 17.7 | 0.8 |
| 10 | --- | --- | --- | --- | --- | --- |
| 11 | 81.02 | 92.7 | 24.4 | 12.3 | 14.3 | 0.5 |
| 12 | 80.12 | 92.6 | 21.2 | 50.6 | 10.3 | 0.0 |
| Average | 70.59 | 87.4 | 27.7 | 12.9 | 8.2 | 0.4 |

* Field sprayed for corn borer control.

The average yield for the district 5 field at Clarion was 93.41 bushels per acre. This was the highest average yield in 1951. Three fields averaged slightly higher than 92 percent stand. These were at Slater, Creston and Danville. Root lodging was serious at Mapleton and Danville, with approximately 50 percent at each location. There was considerable corn root-worm damage at Danville. Stalk lodging wasn't serious in 1951, although an average of 17.7 percent of the plants were broken at Durant. The 1951 corn borer population was low, probably due largely to the weather. Stalk lodging and dropped ears are influenced by corn borer damage. The average percent of dropped ears in 1951 was the lowest since 1944. This probably is associated with the lack of maturity.

What About Corn Leaf Blight?⁴

The leaf disease which gives corn the appearance of having been frosted before there's been freezing weather reduced the

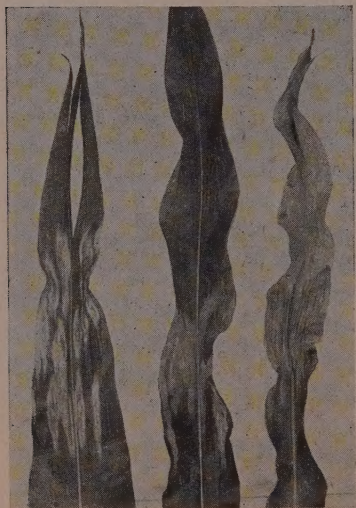


Fig. 4. The leaves above show *Helminthosporium* infection. The center and left leaves may die and dry up like the one at the right.

yields in some parts of Iowa in 1951. All of the state had this leaf blight, but it was very light in northern Iowa and was most severe in southeastern, southwestern and central Iowa. In 1949 it showed up only in southern Iowa. In 1950 it had spread to all of Iowa, but wasn't as damaging as in 1951.

This disease isn't a new one—it's been known in Iowa since 1922 and in the United States for a good many years. It has been mostly a corn disease of the South, but in the last 10 years it's been severe in parts of Illinois, Indiana, Ohio, Tennessee and Pennsylvania. In Iowa the

⁴ The readings on *Helminthosporium turcicum* were made by and the information for this portion of the bulletin were furnished by Dr. George Semeniuk of the Botany and Plant Pathology Department.

disease seems to be favored by cool wet years such as 1950 and 1951, and probably because these years had particularly heavy dews. It's most often found in low-lying fields. Whether or not leaf blight will be severe in 1952 depends much on the weather; if it's warm and dry, we may have little injury; if it's cool and wet again, we may have considerable damage.

We know this disease spreads by spores. These tiny "fruits" of this fungus disease are blown by the wind from one leaf to another and from one field to another. As far as we know, it isn't carried by the seed. Just where the first spores come from early in the season isn't certain. They may come from corn leaves of the crop the year before, from grasses, or from adjoining states. The disease isn't the same as the *Helminthosporium victoriae* blight that damages oats. The organism that causes damage to corn is called *Helminthosporium turcicum*. The little spores produce oval-shaped spots on the leaves that enlarge until the leaves are destroyed. Figure 4 shows leaves infected with the disease. This early killing of the leaves cuts ear size and results in chaffy ears.

The disease can be controlled by spraying, but this is usually not practical. The best solution lies in breeding hybrids that are resistant. Hybrids of this kind are coming, but it will be a few years before they are ready. However, we have found that the present hybrids differ some in resistance. We checked this on one of our fields. You will find the results in the last column of table 22 which is for the field at Danville, district 12, southeastern Iowa.

We took readings in mid-September when the corn leaves in surrounding fields were drying and turning straw-colored from severe leaf blight. Each figure is the average of six replications for each hybrid. The scale we used in rating was 0 to 5. Zero was for no disease; 0.5, an average of 10 percent of the leaf area infected; 1, an average of 20 percent; 2, an average of 40 percent; 3, an average of 60 percent; 4, an average of 80 percent; and 5 indicated 95 percent or more of the leaf affected. The average reading for the 64 hybrids in this field was 3.9. This meant an average of about 75 percent of the leaf had been affected.

Here are some things to keep in mind when you look at this table.

1. Not one of the hybrids was completely resistant to the

blight. The readings ranged from a low of 2.3 to a high of 4.8. The most resistant hybrid had 45 percent of the leaf area affected.

2. Hybrids with the highest readings generally showed the least moisture when the corn was harvested. This may be because the most susceptible ones were killed first and were therefore drier, or the earlier hybrids may have been hit harder.

3. The date the observations were made may have influenced the relative placing of a hybrid. If the readings had been made either earlier or later, it might have changed the rank of any one hybrid.

4. The readings probably were influenced by tolerance or resistance of the hybrid to other diseases or insects.

Widely Grown Hybrids—How Did They Rank?

Ten widely grown hybrids have been entered in each section by the Iowa Corn and Small Grain Growers' Association each year since 1944. These hybrids are selected each year by a survey questionnaire⁵ sent to many Iowa farmers. In 1950 approximately 12,500 Iowa farmers were asked to list the hybrids they planted and the number of acres planted to each. About 1.7 percent of the Iowa corn acreage was reported and from this list 10 hybrids were selected for each section to be planted in the 1951 Iowa Corn Yield Test. You will find the widely grown hybrids indicated in the tables by an asterisk (*) in the column headed "Bushels available for planting in 1951."

Thirteen of the 40 widely grown hybrids tested (10 in each section) ranked above average in performance score. These hybrids are:

NORTHERN SECTION

DeKalb 406
Pioneer 352
Pioneer 349
Crow 407
DeKalb 241

NORTH CENTRAL SECTION

Pioneer 349
Pioneer 352
DeKalb 406
Iowa Hybrid 4249

SOUTH CENTRAL SECTION

Ohio Hybrid C92
Pioneer 350B

SOUTHERN SECTION

Ohio Hybrid C92
Funk G-94

⁵ The survey was conducted in cooperation with the Iowa Crop and Livestock Reporting Service, Des Moines, Iowa.

Of the widely grown hybrids DeKalb 406 ranked among the top 10 in the northern section, and Pioneer 349 and 352 among the top 10 in the north central section.

Twenty of the 40 widely grown entries ranked above average in yield.

Out of the original list of 40 widely grown hybrids in 1944, only 7 were widely grown in 1951. This indicates the rapid change in the development of the new corn hybrids and changes in farmers' preference for these hybrids.

TABLE 4. NORTHERN SECTION PERIOD-OF-YEARS

Average records of section entries in the 1951 Iowa Corn Yield Test and previous years. These entries include only those entered by the same individual, under the same identification name or number, and with the same pedigree.

| Hybrid | Name and address of entrant | Bushels available for plant- ing in 1951 | Perform- ance score | Acre yield bu. | Stand pct. | Moist. | | Lodging | | Ear ht. | Drop pct. |
|---------------------------|--|---|---------------------------|----------------------|---------------|--------|------|---------|-------|------------|--------------|
| | | | | | | pct. | root | pct. | stalk | | |
| 2-YEAR AVERAGE—1950, 1951 | | | | | | | | | | | |
| Pioneer 349 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 17,775 | 104.97 | 59.74 | 86.5 | 26.2 | 1.7 | 6.9 | 6.9 | 2.9 | 0.5 |
| Pioneer 349 | Pioneer Hi-Bred Corn Co., Des Moines | 73,100 | 104.95 | 59.72 | 86.9 | 28.2 | 0.5 | 5.5 | 5.5 | 2.9 | 0.6 |
| Pioneer 352 | Pioneer Hi-Bred Corn Co., Des Moines | 58,300 | 104.35 | 59.35 | 85.6 | 28.9 | 3.4 | 2.8 | 2.8 | 2.9 | 0.0 |
| Pioneer 349 | Iowa Corn & Small Grain Growers Assn., Ames | * | 104.32 | 59.66 | 85.6 | 27.1 | 3.1 | 6.2 | 6.2 | 3.0 | 0.3 |
| U32A | United Hybrid Growers Assn., Shenandoah | 6,000 | 103.89 | 58.15 | 88.4 | 28.0 | 2.3 | 3.0 | 3.0 | 3.0 | 0.3 |
| Pioneer 352 | Iowa Corn & Small Grain Growers Assn., Ames | * | 103.53 | 58.46 | 87.0 | 28.9 | 1.8 | 4.3 | 4.3 | 3.0 | 0.3 |
| Tomahawk 42 | Thompson Hybrid Corn Co., Inc., Belmond | 5,052 | 103.44 | 59.19 | 84.6 | 29.6 | 1.6 | 5.9 | 5.9 | 3.2 | 0.3 |
| Iowa Hybrid 4441 | Iowa Crop Improvement Assn., Ames | Comp. | 103.22 | 56.72 | 86.3 | 24.8 | 2.1 | 4.5 | 4.5 | 3.1 | 2.2 |
| 96M | W. O. McCurdy & Sons, Fremont | 2,000 | 103.13 | 55.97 | 84.1 | 26.4 | 0.3 | 3.4 | 3.4 | 3.0 | 0.2 |
| C217 | Clarke Hybrid Corn Co., Conrad | 2,904 | 102.42 | 58.51 | 85.5 | 29.6 | 1.7 | 7.0 | 7.0 | 3.1 | 0.4 |
| DeKalb 406 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.27 | 57.36 | 87.3 | 28.5 | 2.3 | 5.1 | 5.1 | 3.1 | 0.3 |
| 214-B | Holden Hybrid Seed Farms, Tipton | 1,500 | 102.01 | 58.31 | 87.6 | 31.4 | 1.2 | 5.8 | 5.8 | 2.9 | 0.6 |
| Cornhusker 88 | Cornhusker Hybrid Co., Fremont, Nebr. | 5,800 | 101.79 | 57.68 | 87.8 | 30.8 | 3.8 | 2.9 | 3.0 | 0.6 | 0.6 |
| Turner T27 | Turner Hybrid Seed Corn Co., Grand Junction | 1,100 | 101.61 | 56.11 | 87.1 | 26.2 | 2.9 | 6.0 | 6.0 | 2.9 | 0.3 |
| Pioneer 344 | Pioneer Hi-Bred Corn Co., Des Moines | 12,180 | 101.14 | 58.18 | 87.0 | 30.8 | 4.1 | 6.0 | 6.0 | 3.2 | 0.5 |
| W-77 | Wilson Hybrids, Inc., Harlan | 500 | 100.90 | 55.07 | 87.1 | 23.8 | 3.6 | 7.5 | 7.5 | 2.9 | 0.7 |
| DeKalb 241 | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.51 | 54.25 | 88.1 | 25.7 | 2.2 | 5.4 | 5.4 | 3.1 | 0.7 |
| C-8 | Carlson Hybrid Corn Co., Audubon | 4,029 | 100.17 | 57.00 | 86.0 | 29.8 | 4.6 | 6.7 | 6.7 | 3.1 | 0.0 |
| U39 | United Hybrid Growers Assn., Shenandoah | 3,000 | 99.92 | 54.33 | 86.8 | 27.9 | 2.8 | 4.1 | 4.1 | 2.9 | 0.5 |
| J-10 | Jacobsen Hybrid Corn Co., Lake View | 600 | 99.66 | 54.21 | 87.8 | 26.8 | 2.8 | 5.9 | 5.9 | 2.9 | 0.6 |
| PAG 270 | Wilson-Rininger Corn Co., Sac City | 1,800 | 99.66 | 56.20 | 86.3 | 30.5 | 3.1 | 6.4 | 6.4 | 3.2 | 0.5 |
| C15 | Clarke Hybrid Corn Co., Conrad | 172 | 99.60 | 54.67 | 84.2 | 29.9 | 1.1 | 5.1 | 5.1 | 3.3 | 0.6 |
| Heim 650C | Heim Hybrid Seed Corn Co., Lake City | 55 | 99.23 | 53.30 | 86.4 | 28.0 | 1.1 | 3.8 | 3.8 | 2.8 | 0.2 |
| PAG 282 | North Corn Belt Seed Growers, Naperville, Ill. | 600 | 99.22 | 54.97 | 83.2 | 28.2 | 2.7 | 7.7 | 7.7 | 3.0 | 0.5 |
| Funk G-114 | Funk Bros. Seed Co., Belle Plaine | 6,984 | 99.18 | 54.20 | 84.8 | 29.5 | 2.9 | 4.0 | 4.0 | 2.9 | 0.2 |
| 95M | W. O. McCurdy & Sons, Fremont | 5,000 | 99.14 | 53.79 | 85.7 | 25.6 | 2.7 | 8.1 | 8.1 | 2.9 | 0.3 |
| 111M | W. O. McCurdy & Sons, Fremont | 1,500 | 98.63 | 53.11 | 85.5 | 28.6 | 1.9 | 4.6 | 4.6 | 3.0 | 0.6 |
| Funk G-1A | Funk Bros. Seed Co., Belle Plaine | 15,412 | 98.57 | 51.32 | 85.7 | 24.4 | 1.4 | 6.0 | 6.0 | 2.7 | 0.0 |
| C-7 | Carlson Hybrid Corn Co., Audubon | 1,000 | 98.54 | 53.71 | 83.9 | 28.4 | 1.8 | 6.9 | 6.9 | 3.1 | 0.6 |
| W-145 | Wilson Hybrids, Inc., Harlan | 8,000 | 98.44 | 54.28 | 80.7 | 29.4 | 3.5 | 5.9 | 5.9 | 3.0 | 0.4 |
| Fairners 223 | Fairners Hybrid Seed Corn Co., Hampton | 3,700 | 98.00 | 53.59 | 81.7 | 24.8 | 3.4 | 11.4 | 11.4 | 2.5 | 0.2 |
| Maygold 99A | Earl E. May Seed Co., Shenandoah | 7,200 | 97.97 | 55.34 | 86.8 | 29.6 | 6.9 | 6.5 | 6.5 | 3.1 | 0.6 |
| U36 | United Hybrid Growers Assn., Shenandoah | 7,000 | 97.38 | 52.54 | 84.9 | 29.5 | 2.6 | 4.9 | 4.9 | 2.9 | 0.8 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.32 | 53.26 | 82.2 | 29.7 | 3.3 | 5.9 | 5.9 | 3.1 | 1.3 |
| Cornhusker 85 | Cornhusker Hybrid Co., Fremont, Nebr. | 9,940 | 97.01 | 52.54 | 82.8 | 32.4 | 2.4 | 2.9 | 2.9 | 3.1 | 0.0 |
| DeKalb 410 | Iowa Corn & Small Grain Growers Assn., Ames | * | 96.97 | 53.50 | 86.2 | 28.8 | 3.8 | 8.5 | 8.5 | 3.0 | 0.8 |
| PAG 253 | Pfister Associated Growers, Inc., Monroe | 2,500 | 96.87 | 52.51 | 83.1 | 29.3 | 4.3 | 5.3 | 5.3 | 3.0 | 0.0 |
| Iowa Hybrid 4417 | Iowa Crop Improvement Assn., Ames | Comp. | 96.47 | 51.23 | 81.3 | 23.4 | 3.8 | 11.0 | 11.0 | 2.9 | 0.0 |

| 3-YEAR AVERAGE—1949, 1950, 1951 | | | | | | | | | |
|---------------------------------------|---|--------|--------|-------|------|------|------|------|-----|
| PAG 299 | J. M. Hunt & Son, Ackley | 7,500 | 95.88 | 52.53 | 85.6 | 31.4 | 2.0 | 7.9 | 3.1 |
| Exp. W-H | J. M. Hunt & Son, Ackley | 500 | 94.87 | 49.84 | 83.6 | 25.5 | 7.0 | 5.9 | 0.6 |
| 45-H | Holden Hybrid Seed Farms, Tipton | 1,200 | 92.87 | 48.99 | 82.9 | 32.7 | 4.2 | 3.5 | 0.1 |
| | Average of all entries | | 55.21 | 85.4 | 28.3 | 2.8 | 5.8 | 3.0 | 0.4 |
| 4-YEAR AVERAGE—1948, 1949, 1950, 1951 | | | | | | | | | |
| Pioneer 349 | Pioneer Hi-Bred Corn Co., Des Moines | 73,100 | 105.21 | 71.21 | 88.5 | 24.6 | 2.8 | 15.8 | 2.9 |
| Pioneer 352 | Pioneer Hi-Bred Corn Co., Des Moines | 58,300 | 105.18 | 69.52 | 86.8 | 25.3 | 2.7 | 11.2 | 2.9 |
| Pioneer 349 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 17,775 | 104.58 | 70.73 | 87.5 | 23.4 | 3.0 | 16.9 | 3.5 |
| U32A | United Hybrid Growers Assn., Shenandoah | 6,000 | 104.59 | 69.04 | 87.2 | 24.3 | 2.2 | 13.2 | 2.9 |
| Cornhusker 83 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 5,800 | 101.58 | 67.70 | 88.3 | 27.3 | 3.9 | 14.0 | 3.0 |
| 214-B | Holden Hybrid Seed Farms, Tipton | 1,500 | 101.48 | 67.38 | 86.3 | 27.6 | 2.3 | 15.1 | 2.8 |
| Tomahawk 42 | Thompson Hybrid Corn Co., Inc., Belmond | 5,052 | 101.41 | 68.59 | 85.8 | 26.0 | 2.3 | 19.3 | 3.1 |
| Turner T27 | Turner Hybrid Seed Corn Co., Grand Junction | 1,100 | 100.86 | 66.27 | 87.8 | 23.4 | 2.0 | 19.2 | 2.9 |
| C217 | Clarke Hybrid Corn Co., Conrad | 2,904 | 100.60 | 68.82 | 86.8 | 26.2 | 2.1 | 21.7 | 3.0 |
| PAG 299 | J. M. Hunt & Son, Ackley | 7,500 | 99.89 | 65.84 | 87.6 | 27.4 | 2.0 | 16.8 | 3.0 |
| W-77 | Wilson Hybrids, Inc., Harlan | 500 | 99.65 | 65.01 | 87.5 | 21.8 | 3.7 | 20.7 | 2.8 |
| C-8 | Carlson Hybrid Corn Co., Audubon | 4,029 | 99.61 | 67.71 | 87.4 | 26.1 | 3.5 | 20.9 | 3.1 |
| U11M | W. O. McCurdy & Sons, Fremont | 1,500 | 99.50 | 64.16 | 86.5 | 25.0 | 1.7 | 17.3 | 2.9 |
| U36 | United Hybrid Growers Assn., Shenandoah | 7,000 | 99.48 | 63.43 | 85.7 | 25.7 | 2.5 | 14.1 | 2.9 |
| DeKalb 241 | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.88 | 64.80 | 89.3 | 23.2 | 3.1 | 20.1 | 3.1 |
| W-145 | Wilson Hybrids, Inc., Harlan | 8,000 | 97.59 | 64.02 | 82.9 | 25.9 | 3.3 | 18.8 | 3.0 |
| Maygold 99A | Earl E. May Seed Co., Shenandoah | 7,200 | 97.57 | 64.86 | 86.5 | 26.1 | 5.9 | 17.6 | 3.0 |
| DeKalb 410 | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.33 | 64.71 | 86.7 | 24.9 | 3.9 | 21.7 | 3.0 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.20 | 63.68 | 84.4 | 25.9 | 3.4 | 18.4 | 3.1 |
| PAG 253 | Pfister Associated Growers, Inc., Monroe | 2,500 | 96.38 | 62.38 | 84.1 | 25.9 | 3.7 | 18.9 | 3.0 |
| Funk G-1A | Funk Bros. Seed Co., Belle Plaine | 15,412 | 96.23 | 59.95 | 86.3 | 21.6 | 1.1 | 21.8 | 2.6 |
| Exp. W-H | J. M. Hunt & Son, Ackley | 500 | 95.24 | 59.39 | 84.6 | 22.9 | 6.9 | 15.3 | 2.9 |
| | Average of all entries | | 65.87 | 86.7 | 25.0 | 3.1 | 17.6 | 2.9 | 3.0 |
| 4-YEAR AVERAGE—1948, 1949, 1950, 1951 | | | | | | | | | |
| Pioneer 349 | Pioneer Hi-Bred Corn Co., Des Moines | 73,100 | 105.31 | 71.76 | 87.2 | 23.4 | 4.2 | 12.6 | 2.9 |
| Pioneer 352 | Pioneer Hi-Bred Corn Co., Des Moines | 58,300 | 104.95 | 70.22 | 85.7 | 24.1 | 4.7 | 9.2 | 2.9 |
| U32A | United Hybrid Growers Assn., Shenandoah | 6,000 | 102.91 | 68.52 | 86.8 | 23.6 | 5.6 | 11.0 | 2.9 |
| Tomahawk 42 | Thompson Hybrid Corn Co., Inc., Belmond | 5,052 | 101.92 | 68.86 | 85.8 | 24.4 | 3.3 | 15.8 | 3.1 |
| C217 | Clarke Hybrid Corn Co., Conrad | 2,904 | 100.90 | 68.79 | 86.2 | 24.3 | 3.7 | 18.0 | 3.0 |
| PAG 299 | J. M. Hunt & Son, Ackley | 7,500 | 99.75 | 66.26 | 85.8 | 25.8 | 4.5 | 13.9 | 3.0 |
| 214-B | Holden Hybrid Seed Farms, Tipton | 1,500 | 99.61 | 66.21 | 84.8 | 26.3 | 5.7 | 12.4 | 2.7 |
| DeKalb 241 | Iowa Corn & Small Grain Growers Assn., Ames | * | 99.10 | 64.95 | 88.3 | 22.0 | 4.8 | 16.2 | 3.1 |
| U11M | W. O. McCurdy & Sons, Fremont | 1,500 | 98.88 | 63.88 | 83.3 | 24.2 | 4.0 | 13.7 | 2.9 |
| W-77 | Wilson Hybrids, Inc., Harlan | 500 | 98.50 | 64.88 | 86.6 | 21.1 | 7.5 | 16.2 | 2.8 |
| W-145 | Wilson Hybrids, Inc., Harlan | 8,000 | 98.42 | 65.46 | 82.7 | 24.2 | 5.4 | 16.1 | 2.9 |
| DeKalb 410 | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.74 | 65.88 | 84.8 | 23.4 | 7.2 | 18.1 | 2.9 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.15 | 63.31 | 82.8 | 24.3 | 4.6 | 15.3 | 3.0 |
| Funk G-1A | Funk Bros. Seed Co., Belle Plaine | 15,412 | 94.87 | 59.14 | 83.6 | 20.4 | 4.5 | 18.4 | 2.5 |
| | Average of all entries | | 66.29 | 85.3 | 23.7 | 5.0 | 14.8 | 2.9 | 2.5 |

* Widely grown hybrids as determined by a survey of farmers.

TABLE 5. NORTH CENTRAL SECTION PERIOD-OF-YEARS

Average records of section entries in the 1951 Iowa Corn Yield Test and previous years. These entries include only those entered by the same individual, under the same identification name or number, and with the same pedigree.

| Hybrid | Name and address of entrant | Bushels available for plant-ing in 1951 | Perform-ance score | Acre bu. | Stand pct. | Moist. pct. | Lodging | | Drop'd ears |
|---------------------------|---|---|--------------------|----------|------------|-------------|---------|-------|-------------|
| | | | | | | | root | stalk | |
| | | | | | | | pct. | ht. | pct. |
| 2-YEAR AVERAGE—1950, 1951 | | | | | | | | | |
| Pioneer 352 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 40,165 | 106.46 | 80.62 | 89.5 | 21.1 | 6.7 | 4.1 | 2.6 |
| Pioneer 337 | Pioneer Hi-Bred Corn Co., Des Moines | 8,400 | 105.23 | 81.48 | 89.7 | 20.4 | 7.7 | 8.8 | 2.8 |
| Pioneer 337 | Pioneer Hi-Bred Corn Co., Des Moines | 14,300 | 104.49 | 80.18 | 87.0 | 21.5 | 9.8 | 5.0 | 0.1 |
| Cornelius C43 | Cornelius Hybrid Corn Co., Bellevue | 225 | 103.27 | 76.99 | 87.8 | 21.7 | 8.9 | 3.4 | 2.5 |
| DeKalb 406 | Iowa Corn & Small Grain Growers Assn., Ames | * | 103.00 | 78.00 | 88.8 | 22.0 | 10.2 | 4.2 | 2.9 |
| Iowa Hybrid 4376 | Iowa Crop Improvement Assn., Ames | 10 lb. | 102.76 | 78.16 | 86.6 | 22.3 | 11.8 | 3.3 | 3.0 |
| Iowa Hybrid 4397 | Iowa Crop Improvement Assn., Ames | Comp. | 102.45 | 76.71 | 86.2 | 22.0 | 8.2 | 3.6 | 2.7 |
| Maygold 69 | Earl E. May Seed Co., Shenandoah | 2,700 | 102.31 | 77.10 | 86.3 | 22.3 | 10.1 | 4.4 | 3.1 |
| Pioneer 344 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.33 | 79.73 | 88.0 | 22.2 | 8.7 | 10.3 | 3.2 |
| Bear OK-31 | Bear Hybrids Corn Co., Decatur, Ill. | 1,000 | 102.07 | 78.27 | 90.4 | 22.5 | 5.4 | 11.7 | 3.1 |
| J-39-A | Jacobsen Hybrid Corn Co., Lake View | 2,500 | 102.06 | 78.36 | 89.5 | 24.2 | 7.3 | 8.0 | 0.6 |
| U471 | United Hybrid Growers Assn., Shenandoah | 1,000 | 101.81 | 76.29 | 86.5 | 22.3 | 8.2 | 6.2 | 3.4 |
| U41 | United Hybrid Growers Assn., Shenandoah | 7,000 | 101.66 | 76.38 | 88.5 | 21.3 | 8.6 | 7.2 | 3.0 |
| Iowa Hybrid 4470 | Iowa Crop Improvement Assn., Ames | 10 lb. | 101.50 | 77.74 | 86.7 | 22.8 | 8.7 | 8.6 | 3.0 |
| Maygold 89 | Earl E. May Seed Co., Shenandoah | 7,100 | 101.44 | 75.25 | 84.7 | 21.3 | 9.3 | 4.8 | 2.6 |
| 600 | W. O. McCurdy & Sons, Fremont | 1,500 | 101.29 | 75.48 | 85.7 | 22.0 | 9.8 | 4.9 | 2.6 |
| Iowa Hybrid 4298 | Iowa State Hybrid Corn Co., Elkhart | 1,500 | 101.12 | 76.40 | 85.9 | 22.6 | 10.8 | 5.4 | 3.1 |
| C287 | Clarke Hybrid Corn Co., Conrad | 4,132 | 101.05 | 75.86 | 86.1 | 20.6 | 11.0 | 6.5 | 2.8 |
| Iowa Hybrid 4450 | Iowa State Hybrid Corn Co., Elkhart | 1,300 | 100.99 | 77.12 | 87.7 | 21.7 | 14.0 | 4.8 | 3.0 |
| W-245 | Wilson Hybrids, Inc., Harlan | 2,000 | 100.86 | 76.05 | 85.9 | 23.3 | 11.5 | 3.9 | 2.8 |
| Tomahawk 60 | Thompson Hybrid Corn Co., Inc., Belmond | 3,766 | 100.68 | 74.43 | 85.5 | 20.2 | 9.5 | 6.9 | 2.8 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.47 | 76.16 | 86.1 | 21.4 | 10.6 | 7.9 | 3.0 |
| Iowa Hybrid 4297 | O. W. Johnson & Son, LeGrand | 4,500 | 100.36 | 75.57 | 87.8 | 22.2 | 12.6 | 4.6 | 3.2 |
| Corn King 114 | Malcom H. Grieve, Pleson | 700 | 99.92 | 79.29 | 86.3 | 22.4 | 16.8 | 3.1 | 3.0 |
| Iowa Hybrid 4297 | Iowa Corn & Small Grain Growers Assn., Ames | * | 99.88 | 75.11 | 88.3 | 21.3 | 13.5 | 5.0 | 0.4 |
| U42A | United Hybrid Growers Assn., Shenandoah | 5,200 | 99.73 | 72.30 | 85.2 | 22.8 | 5.2 | 7.1 | 2.9 |
| PAG 270 | Associated Pfister Growers, Inc., Davenport | 5,000 | 99.66 | 76.48 | 88.5 | 21.4 | 12.8 | 8.7 | 3.2 |
| C-12 | Carlson Hybrid Corn Co., Audubon | 1,489 | 99.62 | 74.44 | 85.4 | 21.2 | 11.0 | 7.2 | 2.8 |

| | | | | | | | | | | |
|---------------------------------|---|--------|--------|-------|------|------|------|------|-----|-----|
| Farmers 322 | -----Farmers Hybrid Seed Corn Co., Hampton | 10,500 | 99.55 | 74.11 | 85.5 | 24.6 | 8.8 | 5.4 | 2.7 | 0.2 |
| PAG 347 | -----Associated Pfister Growers, Inc., Davenport | 2,000 | 99.47 | 75.10 | 88.5 | 22.6 | 9.7 | 8.5 | 3.1 | 0.5 |
| Iowa Hybrid 4459 | -----Agronomy (FC) & U.S.D.A., Ames | 8 lb. | 98.97 | 79.07 | 88.6 | 25.4 | 12.5 | 11.4 | 3.9 | 0.3 |
| PAG 299 | -----Iowa Corn & Small Grain Growers Assn., Ames | Comp. | 98.97 | 75.82 | 88.8 | 22.5 | 11.1 | 10.0 | 2.9 | 0.2 |
| Iowa Hybrid 4412 | -----Iowa Crop Improvement Assn., Ames | Comp. | 98.93 | 75.93 | 87.9 | 23.1 | 13.6 | 7.2 | 3.0 | 0.2 |
| C258 | -----Clarke Hybrid Corn Co., Conrad | 6,165 | 98.70 | 72.03 | 86.7 | 21.7 | 11.7 | 4.1 | 3.0 | 0.3 |
| 215-H | -----Holden Hybrid Seed Farms, Tipton | 1,500 | 98.67 | 75.56 | 88.1 | 25.0 | 11.1 | 7.6 | 3.0 | 0.5 |
| PAG 299 | -----Wilson-Ringer Corn Co., Sac City | 11,000 | 98.46 | 75.90 | 84.5 | 22.3 | 12.4 | 10.2 | 2.1 | 0.4 |
| PAG 866B | -----Black & Abbott Farms, Walnut, Ill. | 1,035 | 98.31 | 76.16 | 86.4 | 23.0 | 9.8 | 10.2 | 2.9 | 0.2 |
| Turner 748 | -----Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 98.23 | 74.52 | 88.1 | 22.9 | 8.0 | 12.3 | 3.2 | 0.3 |
| PAG 45-2965 | -----Wilson-Ringer Corn Co., Sac City | 2,000 | 98.21 | 71.62 | 80.3 | 22.4 | 10.7 | 4.6 | 3.3 | 0.9 |
| PAG 170 | -----Pfister Associated Growers, Inc., Monroe | 18,000 | 97.56 | 75.71 | 87.0 | 23.2 | 14.4 | 9.6 | 3.3 | 0.3 |
| U40 | -----United Hybrid Growers Assn., Shenandoah | 7,000 | 97.49 | 71.99 | 83.7 | 22.3 | 11.5 | 6.9 | 2.3 | 0.3 |
| Farmers 427A | -----Iowa Corn & Small Grain Growers Assn., Ames | Comp. | 96.57 | 75.82 | 85.7 | 23.2 | 16.7 | 10.1 | 3.1 | 0.5 |
| Iowa Hybrid 306 | -----Iowa Crop Improvement Assn., Ames | 5,000 | 96.14 | 73.39 | 83.8 | 23.4 | 13.9 | 9.4 | 3.2 | 0.7 |
| PAG 253 | -----North Corn Belt Seed Growers, Naperville, Ill. | 60 | 95.71 | 68.88 | 82.2 | 22.2 | 10.3 | 7.5 | 2.8 | 0.2 |
| Helm 600C | -----Helm Hybrid Seed Corn Co., Lake City | Comp. | 94.87 | 63.19 | 80.5 | 21.7 | 7.6 | 2.7 | 2.7 | 0.2 |
| Indiana Hybrid 608C | -----Iowa Crop Improvement Assn., Ames | 55 | 94.45 | 71.82 | 87.0 | 25.1 | 13.3 | 10.1 | 3.1 | 0.4 |
| 5220 | -----J. M. Hunt & Son, Ackley | | 92.39 | 68.44 | 81.7 | 20.9 | 12.0 | 15.4 | 2.9 | 0.3 |
| Average of all entries | | | | | | | | | | |
| 3-YEAR AVERAGE—1949, 1950, 1951 | | | | | | | | | | |
| Pioneer 352 | -----Garst & Thomas Hybrid Corn Co., Coon Rapids | 40,165 | 107.42 | 76.19 | 86.1 | 18.9 | 5.4 | 7.8 | 2.7 | 3.7 |
| Bear OK-31 | -----Bear Hybrids Corn Co., Decatur, Ill. | 1,000 | 102.68 | 75.34 | 91.0 | 20.3 | 4.5 | 17.9 | 3.0 | 4.2 |
| Iowa Hybrid 4397 | -----Iowa Crop Improvement Assn., Ames | Comp. | 102.51 | 70.83 | 85.8 | 19.7 | 7.7 | 7.4 | 2.6 | 4.2 |
| C-12 | -----W. O. McCord & Sons, Fremont | 1,500 | 102.02 | 71.87 | 84.8 | 19.7 | 8.1 | 10.0 | 2.6 | 2.6 |
| Iowa Hybrid 4450 | -----Iowa State Hybrid Corn Co., Elkhart | 1,300 | 101.55 | 71.39 | 87.0 | 19.5 | 10.3 | 10.1 | 2.9 | 3.2 |
| Iowa Hybrid 4298 | -----Iowa State Hybrid Corn Co., Elkhart | 1,500 | 101.34 | 71.83 | 85.0 | 20.2 | 8.2 | 11.9 | 3.0 | 2.9 |
| Iowa Hybrid 4297 | -----O. W. Johnson & Son, LeGrand | 4,500 | 101.25 | 73.11 | 88.3 | 20.2 | 10.9 | 11.6 | 3.1 | 3.3 |
| C-245 | -----Carlson Hybrid Corn Co., Audubon | 1,489 | 101.23 | 71.15 | 85.5 | 18.8 | 9.3 | 10.7 | 2.3 | 4.1 |
| W-245 | -----Wilson Hybrids, Inc., Harlan | 2,000 | 101.11 | 71.25 | 84.2 | 20.7 | 8.7 | 10.1 | 2.8 | 3.7 |
| J-39-A | -----Jacobsen Hybrid Corn Co., Lake View | 2,500 | 101.03 | 73.84 | 88.4 | 21.6 | 7.2 | 15.6 | 3.0 | 3.9 |
| Maygold 89 | -----Earl E. May Seed Co., Shenandoah | 7,100 | 101.02 | 69.70 | 82.7 | 19.2 | 7.5 | 10.3 | 2.6 | 3.4 |
| C257 | -----Clarke Hybrid Corn Co., Conrad | 4,132 | 100.73 | 71.29 | 84.6 | 18.6 | 9.6 | 12.7 | 2.7 | 2.8 |
| U41 | -----United Hybrid Growers Assn., Shenandoah | 7,000 | 100.69 | 71.43 | 87.1 | 19.5 | 6.4 | 14.1 | 3.0 | 5.7 |
| Maygold 69 | -----Earl E. May Seed Co., Shenandoah | 2,700 | 100.61 | 71.51 | 84.9 | 19.9 | 7.7 | 13.8 | 3.0 | 3.4 |
| PAG 866B | -----Black & Abbott Farms, Walnut, Ill. | 1,035 | 99.59 | 73.68 | 86.0 | 20.4 | 8.7 | 18.8 | 2.9 | 3.7 |

* Widely grown hybrids as determined by a survey of farmers.

TABLE 5—(Continued)

| Hybrid | Name and address of entrant | Bushels available for planting in 1951 | Performance score | Acre yield bu. | Stand pct. | Moist. pct. | Lodging root pct. | Lodging stalk ht. | Ear ht. | Drop'd ears pct. |
|---------------------------------------|--|--|-------------------|----------------|------------|-------------|-------------------|-------------------|---------|------------------|
| PAG 299 | Wilson-Rininger Corn Co., Sac City | 11,000 | 99.14 | 71.27 | 83.9 | 20.0 | 10.5 | 14.5 | 2.9 | 2.8 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.85 | 71.58 | 86.5 | 19.3 | 10.8 | 15.4 | 3.0 | 4.8 |
| U40 | United Hybrid Growers Assn., Shenandoah | 7,000 | 98.79 | 69.71 | 84.4 | 19.9 | 10.6 | 12.7 | 2.8 | 2.5 |
| Iowa Hybrid 4412 | Iowa Crop Improvement Assn., Ames | Comp. | 98.09 | 69.87 | 84.9 | 20.3 | 11.8 | 12.8 | 3.0 | 2.3 |
| C258 | Clarke Hybrid Corn Co., Conrad | 6,165 | 97.98 | 66.93 | 84.9 | 19.6 | 11.5 | 8.7 | 2.9 | 3.5 |
| PAG 35-2965 | Wilson-Rininger Corn Co., Sac City | 200 | 97.94 | 67.25 | 80.1 | 20.5 | 9.3 | 9.5 | 2.9 | 6.5 |
| PAG 270 | Associated Pfister Growers, Inc., Davenport | 5,000 | 97.68 | 70.96 | 87.3 | 19.5 | 11.2 | 16.2 | 3.1 | 6.1 |
| Turner T48 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 96.91 | 70.16 | 85.7 | 20.5 | 8.9 | 19.7 | 3.1 | 2.1 |
| PAG 253 | North Corn Belt Seed Growers, Naperville, Ill. | 5,000 | 95.91 | 65.93 | 82.2 | 19.8 | 9.2 | 14.6 | 2.7 | 2.9 |
| Indiana Hybrid 608C | Iowa Crop Improvement Assn., Ames | Comp. | 93.96 | 67.93 | 86.3 | 22.2 | 11.2 | 18.3 | 3.0 | 4.6 |
| Average of all entries | | | 71.04 | | 85.5 | 20.0 | 9.0 | 13.0 | 2.9 | 3.7 |
| 4-YEAR AVERAGE—1948, 1949, 1950, 1951 | | | | | | | | | | |
| Bear OK-31 | Bear Hybrids Corn Co., Decatur, Ill. | 1,000 | 103.51 | 83.31 | 90.4 | 19.3 | 3.9 | 14.8 | 3.1 | 3.2 |
| Iowa Hybrid 4397 | Iowa Crop Improvement Assn., Ames | Comp. | 101.99 | 77.59 | 85.3 | 19.0 | 7.0 | 6.1 | 2.7 | 3.5 |
| J-39-A | Jacobsen Hybrid Corn Co., Lake View | 2,500 | 101.81 | 81.07 | 87.6 | 20.7 | 5.8 | 12.3 | 3.0 | 3.1 |
| W-245 | Wilson Hybrids, Inc., Harlan | 2,000 | 101.72 | 79.17 | 84.9 | 20.0 | 7.2 | 8.4 | 2.9 | 3.4 |
| Iowa Hybrid 4297 | O. W. Johnson & Son, LeGrand | 4,500 | 101.63 | 79.86 | 87.1 | 19.5 | 8.7 | 9.2 | 3.2 | 2.6 |
| C258 | Clarke Hybrid Corn Co., Conrad | 6,165 | 100.96 | 77.86 | 85.8 | 18.6 | 8.9 | 7.9 | 3.1 | 3.4 |
| U41 | United Hybrid Growers Assn., Shenandoah | 7,000 | 100.76 | 78.40 | 86.4 | 19.0 | 5.6 | 11.7 | 3.1 | 4.8 |
| Mayfold 89 | Earl E. May Seed Co., Shenandoah | 7,100 | 100.37 | 75.95 | 83.0 | 18.7 | 6.6 | 8.6 | 2.7 | 2.9 |
| PAG 366B | Black & Abbott Farms, Walnut, Ill. | 1,035 | 99.97 | 80.66 | 86.1 | 19.6 | 8.0 | 15.4 | 2.9 | 3.3 |
| PAG 270 | Associated Pfister Growers, Inc., Davenport | 5,000 | 98.77 | 78.32 | 86.2 | 18.7 | 9.4 | 13.2 | 3.2 | 5.0 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.31 | 76.07 | 84.8 | 18.3 | 9.0 | 12.0 | 3.0 | 3.8 |
| PAG 35-2965 | Wilson-Rininger Corn Co., Sac City | 200 | 97.72 | 73.49 | 80.8 | 19.8 | 7.9 | 8.0 | 2.9 | 5.5 |
| PAG 253 | North Corn Belt Seed Growers, Naperville, Ill. | 5,000 | 97.42 | 73.73 | 82.8 | 18.8 | 8.0 | 11.5 | 2.8 | 2.3 |
| Indiana Hybrid 608C | Iowa Crop Improvement Assn., Ames | Comp. | 95.09 | 73.34 | 84.5 | 21.2 | 10.5 | 14.7 | 3.1 | 4.2 |
| Average of all entries | | | 77.90 | | 85.4 | 19.4 | 7.6 | 11.0 | 3.0 | 3.7 |

* Widely grown hybrids as determined by a survey of farmers.

TABLE 6. SOUTH CENTRAL SECTION PERIOD-OF-YEARS

Average records of section entries in the 1951 Iowa Corn Yield Test and previous years. These entries include only those entered by the same individual, under the same identification name or number, and with the same pedigree.

| Hybrid | Name and address of entrant | Bushels available for planting in 1951 | Perform- ance score | Acre yield bu. | Stand pct. | Moist. pct. | Lodging | | Ear ht. | Drop's ears pct. |
|---------------------------|---|--|---------------------------|----------------------|---------------|----------------|---------|-------|------------|------------------------|
| | | | | | | | root | stalk | | |
| 2-YEAR AVERAGE—1950, 1951 | | | | | | | | | | |
| AES 801 (Ia. 4527) | Agromony (FC) & U.S.D.A., Ames | 14 lb. | 105.60 | 78.38 | 85.4 | 25.4 | 3.2 | 3.2 | 3.0 | 0.3 |
| Cornelius C66 | Cornelius Hybrid Corn Co., Bellevue | 100 | 103.94 | 79.68 | 86.6 | 21.2 | 9.2 | 8.4 | 3.1 | 0.4 |
| Pioneer X6035 | Pioneer Hi-Bred Corn Co., Des Moines | 55 | 103.94 | 81.78 | 86.3 | 22.9 | 13.5 | 6.0 | 3.0 | 0.6 |
| Cornhusker 75 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 13,500 | 103.27 | 79.45 | 86.6 | 22.5 | 10.0 | 7.5 | 3.2 | 0.7 |
| Iowa Hybrid 4517 | Agromony (FC) & U.S.D.A., Ames | 10 lb. | 103.07 | 78.46 | 82.6 | 24.5 | 8.5 | 5.5 | 3.2 | 1.1 |
| Iowa Hybrid 4531 | Agromony (FC) & U.S.D.A., Ames | 6 lb. | 102.98 | 78.42 | 85.3 | 24.5 | 6.2 | 7.9 | 3.5 | 1.3 |
| PAG 392 | Pfister Associated Growers, Inc., Monroe | 6,000 | 102.83 | 78.69 | 87.0 | 21.4 | 9.5 | 9.3 | 3.3 | 1.3 |
| Ohio Hybrid C92 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.52 | 76.91 | 85.0 | 22.5 | 9.5 | 5.6 | 3.5 | 0.4 |
| 117M | W. O. McCurdy & Sons, Fremont | 1,100 | 102.52 | 77.64 | 86.2 | 22.7 | 6.9 | 9.1 | 3.4 | 0.9 |
| 987M | W. O. McCurdy & Sons, Fremont | 2,000 | 101.35 | 76.74 | 86.7 | 23.0 | 8.7 | 7.3 | 3.5 | 0.6 |
| Ohio Hybrid C92 | Iowa State Hybrid Corn Co., Elkhart | 500 | 101.25 | 77.69 | 87.1 | 22.6 | 13.0 | 6.8 | 3.6 | 0.5 |
| Iowa Hybrid 4525 | Agromony (FC) & U.S.D.A., Ames | 7 lb. | 101.22 | 80.33 | 84.1 | 24.4 | 14.7 | 8.1 | 3.2 | 0.3 |
| W-205A | Wilson Hybrids, Inc., Harlan | 3,000 | 101.20 | 77.68 | 87.0 | 23.0 | 12.1 | 7.2 | 3.1 | 1.0 |
| U52 | United Hybrid Growers Assn., Shenandoah | 6,000 | 100.99 | 76.52 | 87.2 | 21.8 | 10.2 | 9.0 | 3.2 | 0.6 |
| Pioneer 300 | Pioneer Hi-Bred Corn Co., Des Moines | 5,700 | 100.96 | 80.28 | 87.4 | 24.7 | 9.7 | 13.4 | 3.7 | 0.3 |
| 777-H | Holden Hybrid Seed Farms, Tipton | 1,500 | 100.86 | 78.25 | 87.9 | 22.8 | 11.2 | 10.2 | 3.5 | 1.1 |
| Iowa Hybrid 4298 | Iowa Crop Improvement Assn., Ames | Comp. | 100.67 | 76.34 | 84.5 | 22.5 | 11.5 | 8.5 | 3.1 | 0.8 |
| Maygold 59 | Earl E. May Seed Co., Shenandoah | 3,000 | 100.61 | 75.82 | 85.4 | 22.6 | 8.4 | 9.7 | 3.5 | 0.7 |
| Pioneer 335 | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.53 | 80.81 | 85.6 | 23.1 | 19.3 | 7.4 | 3.2 | 0.8 |
| Ohio Hybrid C92 | J. H. Isenhart, Batavia | 1,900 | 100.31 | 75.47 | 86.6 | 23.1 | 11.1 | 6.7 | 3.4 | 0.6 |
| 825 | W. O. McCurdy & Sons, Fremont | 600 | 100.31 | 72.85 | 83.2 | 23.6 | 5.3 | 7.2 | 3.4 | 0.8 |
| Pioneer 339 | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.20 | 75.06 | 83.7 | 22.4 | 9.1 | 8.6 | 3.2 | 1.6 |
| Funk G-37 | Funk Bros. Seed Co., Belle Plaine | 7,579 | 100.14 | 72.66 | 83.3 | 23.0 | 4.8 | 8.3 | 3.6 | 1.2 |
| C-22 | Carlson Hybrid Corn Co., Audubon | 1,500 | 99.99 | 76.31 | 84.6 | 23.3 | 9.2 | 10.6 | 3.3 | 1.0 |
| Pioneer 335 | Pioneer Hi-Bred Corn Co., Des Moines | 38,700 | 99.98 | 80.15 | 84.0 | 23.7 | 19.7 | 6.7 | 3.2 | 0.7 |
| H-3 | Holden Foundation Hybrids, Williamsburg | 60 | 99.97 | 72.88 | 80.1 | 22.5 | 8.1 | 6.6 | 3.5 | 0.6 |
| C277 | Clarke Hybrid Corn Co., Conrad | 1,738 | 99.96 | 75.05 | 85.8 | 21.3 | 6.1 | 13.3 | 3.2 | 1.8 |
| Farmers 555 | Farmers Hybrid Seed Corn Co., Hampton | 1,800 | 99.81 | 74.47 | 84.5 | 23.4 | 8.5 | 8.3 | 3.3 | 1.2 |
| W-310 | Wilson Hybrids, Inc., Harlan | 1,000 | 99.75 | 74.58 | 83.6 | 22.8 | 9.7 | 8.8 | 3.1 | 1.2 |
| Turner 557 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 99.64 | 74.17 | 82.4 | 23.7 | 7.5 | 9.0 | 3.6 | 1.0 |

* Widely grown hybrids as determined by a survey of farmers.

TABLE 6—(Continued)

| Hybrid | Name and address of entrant | Bushels available for plant- ing in 1951 | Perform- ance score | Acre yield bu. | Stand pct. | Moist. | | Lodging | | Ear ears | | Drop'd pct. |
|---------------------------------|---|---|---------------------------|----------------------|---------------|--------|------|---------|-------|----------|-----|----------------|
| | | | | | | pct. | pct. | root | stalk | ht. | ht. | |
| DeKalb 627 | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.69 | 77.00 | 85.0 | 21.5 | 17.9 | 8.8 | 2.8 | 0.4 | | |
| 57-H | Holden Hybrid Seed Farms, Tipton | 800 | 98.59 | 71.14 | 83.5 | 24.7 | 7.2 | 5.2 | 3.1 | 2.1 | | |
| Pioneer 340 | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.56 | 73.02 | 82.4 | 21.5 | 8.7 | 11.0 | 3.0 | 0.9 | | |
| C320 | Clarke Hybrid Corn Co., Conrad | 1,174 | 98.52 | 72.75 | 84.3 | 21.8 | 7.9 | 11.0 | 3.3 | 1.2 | | |
| U50 | United Hybrid Growers Assn., Shenandoah | 1,500 | 98.20 | 69.89 | 80.2 | 20.6 | 9.9 | 6.3 | 3.2 | 0.5 | | |
| PAG 170 | Associated Pfister Growers, Inc., Davenport | 2,000 | 98.16 | 76.58 | 85.6 | 23.1 | 14.8 | 10.8 | 3.3 | 0.6 | | |
| Maygold 49 | Earl E. May Seed Co., Shenandoah | 12,500 | 97.88 | 72.04 | 79.8 | 23.6 | 7.2 | 10.1 | 3.4 | 1.1 | | |
| Crow Deep Root | Crow Hybrid Corn Co., Nevada | 15,000 | 97.56 | 68.65 | 80.4 | 20.8 | 11.4 | 4.3 | 2.9 | 0.5 | | |
| PAG 281 | J. M. Hunt & Son, Ackley | 300 | 97.31 | 74.63 | 85.6 | 22.5 | 11.9 | 13.1 | 3.3 | 0.7 | | |
| Funk G-54 | Funk Bros. Seed Co., Belle Plaine | 2,522 | 97.21 | 71.23 | 81.1 | 24.4 | 11.2 | 6.2 | 3.2 | 0.2 | | |
| PAG 347 | Pfister Associated Growers, Inc., Monroe | 12,000 | 97.15 | 70.39 | 80.4 | 21.2 | 11.4 | 7.9 | 3.0 | 0.5 | | |
| U49 | United Hybrid Growers Assn., Shenandoah | 6,700 | 97.11 | 71.11 | 82.3 | 23.6 | 9.6 | 8.6 | 3.5 | 0.4 | | |
| Iowa Hybrid 4297 | Iowa Corn & Small Grain Growers Assn., Ames | * | 96.14 | 71.41 | 80.5 | 21.3 | 16.4 | 7.3 | 2.9 | 0.6 | | |
| Farmers 488 | Iowa Corn & Small Grain Growers Assn., Ames | * | 95.09 | 70.92 | 81.7 | 24.3 | 13.7 | 8.4 | 3.2 | 1.6 | | |
| Farmers 509 | Farmers Hybrid Seed Corn Co., Hampton | 1,800 | 93.17 | 72.53 | 81.9 | 24.9 | 15.6 | 14.2 | 3.6 | 1.0 | | |
| Average of all entries | | | | | | | | | | | | |
| 3-YEAR AVERAGE—1949, 1950, 1951 | | | | | | | | | | | | |
| AE8 801 (Ia. 4527) | Agronomy (FC) & U.S.D.A., Ames | 14 lb. | 106.31 | 81.27 | 86.0 | 23.0 | 4.1 | 9.5 | 3.0 | 3.0 | | |
| Iowa Hybrid 4331 | Agronomy (FC) & U.S.D.A., Ames | 6 lb. | 104.31 | 81.78 | 86.7 | 22.3 | 5.3 | 14.1 | 3.4 | 4.9 | | |
| Cornelius C66 | Cornelius Hybrid Corn Co., Bellevue | 100 | 103.45 | 79.94 | 85.5 | 19.6 | 7.5 | 14.5 | 3.1 | 2.7 | | |
| 987M | W. O. McCurdy & Sons, Fremont | 2,000 | 102.11 | 78.40 | 85.4 | 21.2 | 7.5 | 13.8 | 3.4 | 2.8 | | |
| PAG 392 | Pfister Associated Growers, Inc., Monroe | 6,000 | 102.01 | 80.49 | 86.6 | 19.9 | 7.3 | 17.8 | 3.3 | 5.6 | | |
| 117M | W. O. McCurdy & Sons, Fremont | 1,100 | 101.61 | 78.19 | 84.5 | 20.8 | 5.3 | 17.1 | 3.4 | 3.3 | | |
| Crow Deep Root | Crow Hybrid Corn Co., Nevada | 15,000 | 101.55 | 73.90 | 82.7 | 19.5 | 9.0 | 8.2 | 2.9 | 2.2 | | |
| Ohio Hybrid C92 | Iowa State Hybrid Corn Co., Elkhart | 500 | 101.42 | 79.59 | 85.9 | 20.8 | 10.9 | 14.2 | 3.5 | 3.5 | | |
| 77-H | Holden Hybrid Seed Farms, Tipton | 1,500 | 101.09 | 73.05 | 86.3 | 20.9 | 8.8 | 16.2 | 3.3 | 3.3 | | |
| H-3 | Holden Foundation Hybrids, Williamsburg | 60 | 101.05 | 76.75 | 82.9 | 20.7 | 6.1 | 15.6 | 3.5 | 2.9 | | |
| Iowa Hybrid 4298 | Iowa Crop Improvement Assn., Ames | Comp. | 100.91 | 78.60 | 83.7 | 20.4 | 10.0 | 15.3 | 3.0 | 3.1 | | |
| Pioneer 339 | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.83 | 76.90 | 86.2 | 20.4 | 7.2 | 15.2 | 3.1 | 3.9 | | |
| Ohio Hybrid C92 | J. H. Isenhardt, Batavia | 1,900 | 100.62 | 77.20 | 86.1 | 21.0 | 9.4 | 13.6 | 3.4 | 3.5 | | |
| W-310 | Wilson Hybrids, Inc., Harlan | 1,000 | 100.30 | 78.17 | 84.7 | 20.9 | 7.7 | 17.6 | 3.1 | 4.0 | | |
| U52 | United Hybrid Growers Assn., Shenandoah | 6,000 | 100.28 | 75.53 | 84.1 | 20.7 | 7.8 | 13.5 | 3.1 | 3.3 | | |
| Funk G-37 | Funk Bros. Seed Co., Belle Plaine | 7,579 | 100.17 | 75.40 | 84.5 | 20.9 | 3.8 | 17.4 | 3.5 | 3.7 | | |
| Pioneer 335 | Pioneer Hi-Bred Corn Co., Des Moines | 38,700 | 99.93 | 80.18 | 82.4 | 21.5 | 16.5 | 13.0 | 3.1 | 2.6 | | |
| Turner S57 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 99.87 | 76.82 | 83.1 | 21.5 | 6.6 | 17.0 | 3.5 | 4.0 | | |
| W-205A | Wilson Hybrids, Inc., Harlan | 3,000 | 99.78 | 78.24 | 86.4 | 21.3 | 10.7 | 15.3 | 3.1 | 4.8 | | |
| 825 | W. O. McCurdy & Sons, Fremont | 600 | 99.55 | 74.64 | 83.1 | 21.5 | 4.5 | 15.9 | 3.4 | 5.1 | | |

| | | | | | | | | | |
|---------------------------------------|---|--------|--------|-------|------|------|------|------|-----|
| Pioneer 335 | Iowa Corn & Small Grain Growers Assn., Ames | 99.46 | 80.51 | 84.4 | 21.2 | 16.9 | 14.3 | 3.1 | 3.4 |
| C277 | Clarke Hybrid Corn Co., Conrad | 1,738 | 99.17 | 75.73 | 85.5 | 19.9 | 14.9 | 3.2 | 5.5 |
| Maygold 59 | Earl E. May Seed Co., Shenandoah | 3,000 | 98.93 | 76.01 | 85.1 | 20.7 | 6.9 | 3.3 | 5.0 |
| U50 | United Hybrid Growers Assn., Shenandoah | 1,500 | 98.92 | 72.12 | 80.8 | 19.2 | 8.3 | 3.2 | 3.2 |
| Pioneer 340 | Iowa Corn & Small Grain Growers Assn., Ames | 98.43 | 74.71 | 82.8 | 19.7 | 8.6 | 17.0 | 3.0 | 3.7 |
| PAG 347 | Pfister Associated Growers, Inc., Monroe | 12,800 | 97.84 | 74.49 | 81.9 | 19.8 | 9.7 | 16.4 | 3.0 |
| Maygold 49 | Earl E. May Seed Co., Shenandoah | 12,800 | 97.78 | 74.19 | 81.0 | 21.7 | 6.4 | 17.3 | 3.3 |
| PAG 281 | J. M. Hunt & Son, Ackley | 300 | 97.27 | 77.08 | 80.6 | 20.6 | 10.5 | 3.2 | 3.9 |
| Iowa Hybrid 4297 | Iowa Corn & Small Grain Growers Assn., Ames | 96.39 | 72.67 | 80.5 | 19.7 | 13.7 | 13.1 | 2.8 | 2.1 |
| Farmers 488 | Iowa Corn & Small Grain Growers Assn., Ames | * | 94.32 | 72.93 | 82.6 | 21.9 | 12.3 | 3.2 | 4.6 |
| Farmers 509 | Farmers Hybrid Seed Corn Co., Hampton | 1,800 | 93.29 | 75.50 | 82.5 | 22.7 | 13.3 | 23.9 | 3.5 |
| Average of all entries | | | 77.00 | 84.1 | 20.8 | 8.6 | 15.6 | 3.2 | 3.8 |
| 4-YEAR AVERAGE—1948, 1949, 1950, 1951 | | | | | | | | | |
| Cornelius C66 | Cornelius Hybrid Corn Co., Bellevue | 100 | 103.18 | 84.63 | 84.4 | 20.3 | 6.2 | 11.7 | 3.1 |
| H-3 | Holden Foundation Hybrids, Williamsburg | 60 | 102.58 | 83.77 | 81.1 | 20.9 | 4.9 | 12.4 | 3.6 |
| 937M | W. O. McCurdy & Sons, Fremont | 2,000 | 102.11 | 83.76 | 85.1 | 21.6 | 6.7 | 11.1 | 3.5 |
| PAG 392 | Pfister Associated Growers, Inc., Monroe | 6,000 | 101.92 | 84.90 | 85.5 | 20.0 | 6.1 | 14.8 | 4.4 |
| Ohio Hybrid C92 | Iowa State Hybrid Corn Co., Elkhart | 500 | 101.74 | 84.76 | 85.0 | 21.4 | 9.1 | 11.3 | 3.6 |
| C277 | Clarke Hybrid Corn Co., Conrad | 1,738 | 101.29 | 83.78 | 86.7 | 20.8 | 4.4 | 15.6 | 3.4 |
| Pioneer 339 | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.08 | 81.83 | 84.4 | 20.8 | 6.0 | 11.9 | 3.2 |
| 77-H Hybrid C92 | Holden Hybrid Seed Farms, Tipton | 1,500 | 101.06 | 82.97 | 84.3 | 20.9 | 7.3 | 12.6 | 3.4 |
| Funk G-37 | J. H. Isenhardt, Batavia | 1,900 | 101.02 | 83.15 | 84.9 | 21.5 | 8.9 | 10.8 | 3.5 |
| 117M | Funk Bros. Seed Co., Belle Plaine | 7,379 | 100.95 | 81.54 | 83.3 | 21.0 | 3.8 | 13.8 | 3.6 |
| Pioneer 335 | W. O. McCurdy & Sons, Fremont | 1,100 | 100.90 | 82.04 | 82.6 | 21.4 | 4.8 | 13.5 | 3.4 |
| Turner S57 | Pioneer Hi-Bred Seed Corn Co., Des Moines | 32,700 | 100.78 | 86.10 | 83.7 | 21.6 | 14.6 | 10.6 | 3.2 |
| 825 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 100.39 | 82.49 | 82.4 | 22.0 | 6.6 | 13.3 | 3.6 |
| U52 | W. O. McCurdy & Sons, Fremont | 6,000 | 100.00 | 79.98 | 82.2 | 21.6 | 4.8 | 12.6 | 3.4 |
| W-310 | United Hybrid Growers Assn., Shenandoah | 6,000 | 99.78 | 79.33 | 82.9 | 21.3 | 6.3 | 10.8 | 3.1 |
| W-205A | Wilson Hybrids, Inc., Harlan | 1,000 | 99.63 | 82.01 | 84.2 | 21.5 | 7.4 | 13.9 | 3.1 |
| Maygold 59 | Wilson Hybrids, Inc., Harlan | 3,000 | 99.15 | 82.39 | 84.6 | 21.7 | 10.5 | 12.2 | 3.3 |
| PAG 281 | Earl E. May Seed Co., Shenandoah | 3,000 | 99.04 | 80.57 | 82.9 | 20.9 | 6.5 | 14.3 | 3.4 |
| U50 | United Hybrid Growers Assn., Shenandoah | 1,500 | 99.03 | 77.47 | 80.8 | 19.7 | 7.6 | 10.0 | 3.3 |
| Maygold 49 | J. M. Hunt & Son, Ackley | 300 | 98.72 | 82.26 | 82.7 | 20.5 | 7.8 | 16.4 | 3.3 |
| Pioneer 340 | Earl E. May Seed Co., Shenandoah | 12,600 | 98.42 | 79.82 | 81.2 | 21.7 | 6.6 | 13.6 | 3.4 |
| Farmers 488 | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.40 | 79.11 | 83.4 | 19.9 | 7.8 | 13.7 | 3.0 |
| Farmers 509 | Iowa Corn & Small Grain Growers Assn., Ames | 1,800 | 94.69 | 76.42 | 80.8 | 22.2 | 11.8 | 12.7 | 3.2 |
| Average of all entries | | | 94.14 | 79.97 | 81.4 | 23.0 | 12.2 | 19.0 | 3.5 |
| Average of all entries | | | 81.91 | 83.4 | 21.2 | 7.5 | 13.0 | 3.4 | 3.1 |

* Widely grown hybrids as determined by a survey of farmers.

3-YEAR AVERAGE—1949, 1950, 1951

| | | | | | | | | | |
|------------------------|--------|--------|-------|------|------|------|------|-----|-----|
| Maygold 50A | 60 | 106.55 | 84.24 | 86.8 | 20.0 | 3.6 | 9.7 | 3.2 | 0.8 |
| Farmers 588 | 3,000 | 84.32 | 88.6 | 88.6 | 19.9 | 12.7 | 10.0 | 3.3 | 0.9 |
| Maygold 59A | 19,600 | 102.72 | 84.72 | 87.7 | 13.6 | 8.6 | 8.3 | 3.3 | 1.3 |
| 124-2 | 1,400 | 101.80 | 80.75 | 87.6 | 18.6 | 12.6 | 8.6 | 3.2 | 0.5 |
| C-33 | 2,000 | 101.01 | 82.02 | 87.4 | 20.3 | 9.7 | 13.1 | 3.2 | 2.2 |
| U. S. Hybrid 13 | 1,000 | 86.64 | 90.2 | 90.2 | 21.0 | 11.7 | 17.4 | 3.4 | 2.9 |
| Ohio Hybrid C92 | * | 100.77 | 83.03 | 89.1 | 19.6 | 16.7 | 9.2 | 3.3 | 1.2 |
| W-300 | 5,000 | 100.74 | 81.03 | 89.7 | 20.0 | 13.3 | 9.1 | 3.3 | 1.8 |
| PAG 392 | 2,000 | 100.71 | 81.64 | 88.7 | 19.1 | 11.0 | 13.3 | 3.2 | 1.6 |
| U. S. Hybrid 13 | 1,000 | 93.95 | 83.99 | 88.8 | 21.2 | 10.5 | 17.1 | 3.5 | 1.9 |
| Turner S53 | 2,000 | 99.81 | 84.70 | 87.9 | 21.6 | 12.9 | 15.4 | 3.4 | 2.7 |
| Turner T60 | 1,800 | 99.44 | 82.78 | 90.1 | 19.3 | 19.2 | 9.4 | 3.3 | 1.2 |
| U. S. Hybrid 13 | * | 99.20 | 84.37 | 88.7 | 20.2 | 13.4 | 16.4 | 3.5 | 2.4 |
| DeKalb 800A | * | 99.02 | 83.18 | 90.0 | 20.1 | 15.7 | 14.2 | 3.3 | 1.4 |
| DeKalb 847 | * | 98.70 | 80.14 | 88.3 | 19.9 | 18.4 | 10.1 | 3.2 | 1.0 |
| Meyer 591 | 475 | 98.63 | 81.31 | 89.4 | 20.3 | 10.0 | 17.8 | 3.0 | 1.6 |
| Punk G-99 | 1,587 | 98.43 | 83.04 | 88.3 | 21.9 | 18.9 | 10.6 | 3.3 | 1.3 |
| Pioneer 339 | * | 98.22 | 78.38 | 87.6 | 20.0 | 13.4 | 11.3 | 3.2 | 1.7 |
| Pioneer 336 | * | 95.88 | 80.22 | 89.7 | 20.4 | 15.9 | 17.0 | 3.3 | 1.4 |
| Pioneer 300 | * | 94.79 | 82.76 | 87.8 | 21.4 | 20.5 | 17.9 | 3.4 | 1.5 |
| Average of all entries | | 82.66 | 88.6 | 88.6 | 20.3 | 13.6 | 12.9 | 3.3 | 1.6 |

4-YEAR AVERAGE—1948, 1949, 1950, 1951

| | | | | | | | | | |
|------------------------|--------|--------|-------|------|------|------|------|-----|-----|
| Maygold 59A | 19,600 | 101.87 | 89.14 | 86.5 | 19.5 | 12.7 | 10.0 | 3.4 | 1.0 |
| 124-2 | 1,400 | 101.85 | 85.32 | 87.2 | 18.7 | 11.1 | 7.9 | 3.3 | 0.6 |
| U. S. Hybrid 13 | 1,000 | 101.33 | 92.88 | 89.5 | 20.8 | 10.1 | 16.2 | 3.5 | 2.3 |
| Ohio Hybrid C92 | * | 101.42 | 89.49 | 88.3 | 19.4 | 15.7 | 9.2 | 3.4 | 1.1 |
| W-300 | 5,000 | 100.71 | 86.40 | 88.9 | 19.7 | 12.6 | 8.7 | 3.4 | 1.7 |
| Turner S53 | 2,000 | 100.66 | 90.80 | 87.7 | 21.2 | 10.7 | 15.1 | 3.5 | 2.6 |
| Meyer 591 | 475 | 100.50 | 88.90 | 89.3 | 19.7 | 8.3 | 17.0 | 3.1 | 1.7 |
| U. S. Hybrid 13 | 1,000 | 100.37 | 89.09 | 87.1 | 21.0 | 8.8 | 15.8 | 3.6 | 1.9 |
| DeKalb 847 | * | 100.32 | 86.81 | 87.6 | 19.7 | 13.5 | 9.6 | 3.3 | 1.0 |
| U. S. Hybrid 13 | * | 99.52 | 89.39 | 87.0 | 21.1 | 11.3 | 15.6 | 3.5 | 2.2 |
| Turner T60 | 1,800 | 99.20 | 87.68 | 89.3 | 19.7 | 17.4 | 9.6 | 3.4 | 1.2 |
| Funk G-99 | 1,587 | 99.17 | 88.86 | 86.4 | 22.0 | 16.9 | 11.1 | 3.5 | 1.1 |
| DeKalb 800A | * | 99.10 | 88.56 | 88.3 | 20.0 | 14.2 | 13.9 | 3.4 | 1.4 |
| Pioneer 336 | * | 97.43 | 86.30 | 88.6 | 20.1 | 13.4 | 15.7 | 3.4 | 1.1 |
| Pioneer 300 | * | 96.08 | 83.37 | 87.8 | 21.1 | 18.4 | 16.7 | 3.4 | 1.5 |
| Average of all entries | | 83.70 | 88.0 | 88.0 | 20.2 | 13.0 | 12.8 | 3.4 | 1.5 |

* Widely grown hybrids as determined by a survey of farmers.

TABLE 8. NORTHERN SECTION 1951
Average performance of 81 hybrids tested at Sheldon (Dist. 1), Mason City (Dist. 2), and Waukon (Dist. 3).

| Hybrid | Name and address of entrant | Bushels available for plant- ing in 1951 | Perform- ance score | Acres yield bu./ | Stand pct. | Moist. pct. | Lodging pct. stalk | Ear ears ht. | Drop'd ears pct. |
|------------------|---|---|---------------------------|------------------------|---------------|----------------|--------------------------|--------------------|------------------------|
| Corn King 112 | Malcom H. Grieve, Pierson. | 120 | 107.17 | 61.71 | 87.9 | 35.8 | 3.2 | 2.9 | 0.5 |
| U32A | United Hybrid Growers Assn., Shenandoah. | 6,000 | 105.47 | 57.47 | 85.8 | 33.2 | 1.2 | 2.3 | 0.1 |
| Pioneer 349 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 17,775 | 105.39 | 57.75 | 90.6 | 32.6 | 0.6 | 2.8 | 0.6 |
| Pioneer 344 | Pioneer Hi-Bred Corn Co., Des Moines | 12,180 | 105.33 | 59.62 | 85.7 | 35.1 | 2.2 | 3.3 | 0.5 |
| Maygold 1065 | Earl E. May Seed Co., Shenandoah | 60 | 104.77 | 58.06 | 83.3 | 35.9 | 2.2 | 3.0 | 0.1 |
| Pioneer 352 | Pioneer Hi-Bred Corn Co., Des Moines | 58,300 | 104.62 | 57.51 | 87.2 | 34.9 | 1.5 | 2.4 | 0.0 |
| 214-B | Holden Hybrid Seed Farms, Tipton. | 1,500 | 104.50 | 57.76 | 86.8 | 35.0 | 1.2 | 2.6 | 0.3 |
| Pioneer 349 | Pioneer Hi-Bred Corn Co., Des Moines | 73,100 | 104.18 | 56.56 | 88.8 | 34.5 | 1.0 | 1.9 | 0.4 |
| DeKalb 406 | Iowa Corn & Small Grain Growers Assn., Ames | * | 104.17 | 57.08 | 88.3 | 33.8 | 3.0 | 3.1 | 0.1 |
| H-31 | Holden Foundation Hybrids, Williamsburg | 50 | 103.84 | 55.50 | 87.0 | 32.8 | 0.8 | 2.7 | 0.0 |
| 105-H | Holden Hybrid Seed Farms, Tipton | 100 | 103.82 | 56.49 | 86.6 | 33.0 | 3.3 | 2.8 | 0.4 |
| N150 | Cargill, Inc., Grinnell. | 250 | 103.75 | 56.65 | 89.3 | 33.3 | 1.9 | 4.4 | 0.1 |
| Pioneer 352 | Iowa Corn & Small Grain Growers Assn., Ames | * | 103.48 | 56.07 | 86.3 | 35.1 | 0.6 | 2.1 | 0.6 |
| Pioneer 349 | Iowa Corn & Small Grain Growers Assn., Ames | * | 103.41 | 56.63 | 86.1 | 33.7 | 3.4 | 2.9 | 0.1 |
| C217 | Clarke Hybrid Corn Co., Conrad | 2,904 | 103.32 | 56.21 | 84.9 | 34.0 | 0.3 | 3.1 | 0.3 |
| Pioneer X7164 | Pioneer Hi-Bred Corn Co., Des Moines | 65 | 103.18 | 55.50 | 85.6 | 33.0 | 3.3 | 1.8 | 0.3 |
| Tomahawk 42 | Thompson Hybrid Corn Co., Inc., Belmond | 5,052 | 103.06 | 55.56 | 86.2 | 33.9 | 0.4 | 3.7 | 0.6 |
| Crow 407 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.93 | 55.91 | 85.8 | 35.2 | 0.7 | 3.4 | 0.1 |
| Cornhusker 83 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 5,800 | 102.60 | 55.32 | 87.8 | 35.7 | 1.0 | 1.5 | 0.3 |
| Iowa Hybrid 4483 | Agronomy (FC) & U.S.D.A., Ames | 11 lb. | 102.54 | 53.61 | 84.3 | 30.1 | 2.0 | 3.7 | 0.0 |
| Pioneer X7278 | Pioneer Hi-Bred Corn Co., Des Moines | 1,600 | 102.52 | 55.61 | 86.7 | 32.0 | 4.7 | 3.7 | 0.9 |
| PAG 277 | Black & Abbott Farms, Walnut, Ill. | 4,000 | 102.50 | 55.52 | 82.8 | 34.9 | 1.6 | 3.0 | 0.3 |
| Mellowdent M88 | Louis Quirin, Alta. | 53 | 102.41 | 55.06 | 85.1 | 34.0 | 1.6 | 3.3 | 0.0 |
| Funk G-114 | Funk Bros. Seed Co., Belle Plaine | 6,984 | 101.91 | 55.27 | 86.6 | 34.9 | 3.3 | 2.4 | 0.3 |
| U32 | United Hybrid Growers Assn., Shenandoah | 5,600 | 101.54 | 54.90 | 87.8 | 33.4 | 2.4 | 3.1 | 0.3 |
| HOW | Epley Bros., Shell Rock | 1,200 | 101.42 | 55.09 | 86.7 | 35.3 | 0.4 | 5.5 | 0.6 |
| Iowa Hybrid 4441 | Iowa Crop Improvement Assn., Ames | Comp. | 101.33 | 53.29 | 85.8 | 34.3 | 1.8 | 4.8 | 0.4 |
| DeKalb 241 | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.26 | 53.50 | 86.4 | 31.6 | 1.4 | 5.5 | 0.1 |
| Pioneer 372 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 50 | 101.06 | 53.22 | 86.2 | 32.5 | 3.1 | 2.2 | 0.8 |
| Funk G-28 | Funk Bros. Seed Co., Belle Plaine | 6,293 | 100.81 | 55.23 | 82.7 | 35.2 | 1.9 | 6.7 | 0.1 |
| Funk G-68 | Funk Bros. Seed Co., Belle Plaine | 2,453 | 100.75 | 53.77 | 82.8 | 31.2 | 2.4 | 7.7 | 0.1 |
| Turner T27 | Turner Hybrid Seed Corn Co., Grand Junction | 1,100 | 100.73 | 52.46 | 85.9 | 30.7 | 2.3 | 4.7 | 0.1 |
| Maygold 99A | Earl E. May Seed Co., Shenandoah | 7,200 | 100.60 | 55.98 | 85.8 | 34.8 | 8.0 | 3.9 | 0.4 |
| U36 | United Hybrid Growers Assn., Shenandoah | 7,000 | 100.30 | 53.41 | 84.7 | 34.5 | 3.2 | 2.8 | 0.3 |
| Farmers 223 | Farmers Hybrid Seed Corn Co., Hampton | 3,700 | 99.99 | 53.37 | 86.7 | 30.9 | 4.6 | 7.1 | 0.3 |
| U37A | United Hybrid Growers Assn., Shenandoah | 1,100 | 99.97 | 54.56 | 83.0 | 34.4 | 3.5 | 7.0 | 0.0 |
| J-10 | Jacobsen Hybrid Corn Co., Lake View | 600 | 99.93 | 52.23 | 85.3 | 32.8 | 3.0 | 2.9 | 0.4 |
| Cornhusker 85 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 9,940 | 99.87 | 53.21 | 84.8 | 36.1 | 1.8 | 3.1 | 0.0 |

| | | | | | | | | | | |
|------------------|--|--------|-------|-------|------|------|------|-----|-----|-----|
| Funk G-68A | Funk Bros. Seed Co., Belle Plaine | 1,322 | 99.70 | 52.24 | 81.9 | 32.1 | 2.4 | 5.3 | 2.6 | 0.0 |
| Funk G-6 | Iowa Corn & Small Grain Growers Assn., Ames | * | 99.70 | 50.70 | 82.9 | 29.5 | 2.3 | 4.4 | 2.6 | 0.4 |
| 328 | Cargill, Inc., Grinnell | 1,800 | 99.64 | 53.27 | 83.4 | 34.6 | 3.9 | 3.3 | 3.2 | 0.3 |
| Federal 300 | Federal Hybrids, Marion | 1,000 | 99.61 | 52.87 | 86.8 | 34.9 | 2.3 | 3.5 | 3.0 | 0.4 |
| Heim 650C | Heim Hybrid Seed Corn Co., Lake City | 55 | 99.54 | 52.49 | 86.7 | 34.8 | 1.3 | 3.7 | 2.6 | 0.3 |
| PAG 282 | North Corn Belt Seed Growers, Naperville, Ill. | 600 | 99.54 | 52.01 | 83.4 | 34.2 | 1.3 | 2.9 | 3.1 | 0.5 |
| Iowa Hybrid 4316 | Iowa Crop Improvement Assn., Ames | Comp. | 99.39 | 53.45 | 82.3 | 34.6 | 3.5 | 5.0 | 3.2 | 0.4 |
| Pioneer 348 | Pioneer Hi-Bred Corn Co., Des Moines | 5,500 | 99.14 | 52.62 | 86.3 | 34.3 | 2.7 | 4.0 | 3.1 | 0.3 |
| Funk G-30 | Funk Bros. Seed Co., Belle Plaine | 20,532 | 99.09 | 52.56 | 83.0 | 34.8 | 3.8 | 3.5 | 2.8 | 0.4 |
| C15 | Clarke Hybrid Corn Co., Conrad | 172 | 99.05 | 51.79 | 82.7 | 33.9 | 0.9 | 4.7 | 3.5 | 0.4 |
| W-145 | Wilson Hybrids, Inc., Harlan | 8,000 | 99.05 | 54.05 | 81.7 | 34.7 | 5.3 | 5.8 | 3.0 | 0.4 |
| PAG 299 | J. M. Hunt & Son, Ackley | 7,500 | 99.02 | 53.43 | 86.2 | 36.0 | 1.7 | 5.2 | 3.1 | 0.0 |
| Turner T12A | Turner Hybrid Seed Corn Co., Grand Junction | 2,000 | 98.96 | 51.26 | 87.0 | 32.3 | 2.7 | 5.0 | 2.7 | 0.4 |
| DeKalb 410 | Iowa Corn & Small Grain Growers Assn., Ames | 2,000 | 98.84 | 52.39 | 84.4 | 33.5 | 2.3 | 5.5 | 3.0 | 0.1 |
| PAG Exp199 | Phister Associated Growers, Inc., Aurora, Ill. | 1,200 | 98.82 | 53.72 | 83.6 | 35.1 | 5.6 | 5.0 | 3.1 | 0.0 |
| Tomahawk 30 | Thompson Hybrid Corn Co., Inc., Belmond | 1,496 | 98.79 | 51.32 | 85.3 | 33.7 | 1.3 | 3.7 | 2.9 | 0.3 |
| B50 | Blaney Seed Farms, Madison, Wis. | 50 | 98.72 | 50.01 | 86.0 | 27.9 | 2.1 | 3.0 | 2.7 | 0.0 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.72 | 52.22 | 85.1 | 35.0 | 2.4 | 3.8 | 3.1 | 0.9 |
| 96M | W. O. McCurdy & Sons, Fremont | 2,000 | 98.54 | 49.92 | 83.2 | 32.5 | 0.5 | 3.3 | 2.9 | 0.3 |
| C17 | Clarke Hybrid Corn Co., Conrad | 1,150 | 98.45 | 51.63 | 85.3 | 34.5 | 2.0 | 4.2 | 2.9 | 0.4 |
| PAG 253 | Phister Associated Growers, Inc., Monroe | 2,500 | 98.42 | 51.13 | 84.0 | 35.0 | 1.5 | 3.0 | 2.9 | 0.0 |
| Federal 300A | Federal Hybrids, Marion | 1,000 | 98.19 | 50.37 | 83.0 | 34.2 | 1.4 | 3.8 | 3.1 | 0.5 |
| U39 | United Hybrid Growers Assn., Shenandoah | 3,000 | 97.95 | 50.80 | 84.5 | 34.9 | 2.1 | 2.5 | 2.8 | 0.6 |
| Farmers 427A | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.91 | 52.59 | 83.6 | 37.1 | 4.4 | 2.8 | 3.3 | 0.1 |
| Funk 94420 | Funk Bros. Seed Co., Belle Plaine | 125 | 97.65 | 48.54 | 84.3 | 31.5 | 0.3 | 3.7 | 2.6 | 0.3 |
| C-8 | Carlson Hybrid Corn Co., Audubon | 4,029 | 97.63 | 50.63 | 86.7 | 35.2 | 0.6 | 4.4 | 3.2 | 0.0 |
| CH-38 | Christoffersen & Son, Audubon | 450 | 97.55 | 51.24 | 87.9 | 36.6 | 1.1 | 3.9 | 3.1 | 0.1 |
| 200 | Cargill, Inc., Grinnell | 2,200 | 97.42 | 52.80 | 83.8 | 35.1 | 6.0 | 6.1 | 3.1 | 0.3 |
| Farmers 338 | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.40 | 51.85 | 79.6 | 35.3 | 3.6 | 5.3 | 3.1 | 0.4 |
| Cornelius 404 | Cornelius Hybrid Corn Co., Bellevue | 850 | 97.38 | 51.15 | 81.4 | 35.3 | 3.6 | 3.6 | 3.1 | 0.1 |
| Mellowdent 89 | J. N. Horlacher & Son, Storm Lake | 54 | 97.08 | 50.19 | 87.9 | 36.6 | 0.5 | 2.8 | 3.1 | 0.4 |
| Funk G-1A | Funk Bros. Seed Co., Belle Plaine | 15,412 | 96.74 | 47.59 | 83.0 | 29.3 | 1.6 | 5.6 | 2.5 | 0.0 |
| Iowa Hybrid 4417 | Iowa Crop Improvement Assn., Ames | Comp. | 96.58 | 49.56 | 85.9 | 30.1 | 6.6 | 5.8 | 2.7 | 0.0 |
| PAG 270 | Wilson-Rininger Corn Co., Sac City | 1,800 | 96.45 | 50.84 | 87.8 | 36.2 | 3.7 | 4.1 | 3.3 | 0.5 |
| C-7 | Carlson Hybrid Corn Co., Audubon | 1,000 | 96.17 | 48.20 | 73.8 | 33.0 | 1.7 | 4.0 | 3.1 | 0.0 |
| Crow 260 | Crow Hybrid Corn Co., Nevada | 2,200 | 95.87 | 48.98 | 79.3 | 33.8 | 3.6 | 3.9 | 2.7 | 0.3 |
| Iowa Hybrid 4297 | Harper Hardy Hybrids, Vinton | 2,000 | 95.86 | 49.67 | 82.3 | 35.1 | 3.5 | 4.3 | 3.1 | 0.1 |
| W-77 | Wilson Hybrids, Inc., Harlan | 500 | 95.84 | 48.02 | 83.9 | 29.5 | 5.6 | 5.3 | 2.7 | 0.3 |
| 45-H | Holden Hybrid Seed Farms, Tipton | 1,200 | 95.74 | 50.18 | 84.8 | 35.9 | 5.8 | 2.8 | 3.4 | 0.1 |
| Exp. W-H | J. M. Hunt & Son, Ackley | 500 | 95.04 | 51.17 | 84.2 | 32.4 | 12.8 | 5.7 | 2.8 | 0.3 |
| 111M | W. O. McCurdy & Sons, Fremont | 1,500 | 94.99 | 47.85 | 84.0 | 34.7 | 1.5 | 4.2 | 2.9 | 0.3 |
| 95M | W. O. McCurdy & Sons, Fremont | 5,000 | 94.56 | 48.21 | 83.6 | 33.4 | 2.7 | 7.3 | 2.8 | 0.1 |
| U33 | United Hybrid Growers Assn., Shenandoah | 80 | 88.88 | 44.57 | 81.8 | 32.5 | 10.6 | 7.6 | 3.2 | 0.3 |
| | Average of all entries | | | 53.13 | 85.2 | 33.8 | 2.7 | 4.1 | 3.0 | 0.3 |

* Widely grown hybrids as determined by a survey of farmers.
† Differences in yield between any two entries of less than 3.61 bushels an acre are not considered significant.

TABLE 9. NORTH CENTRAL SECTION 1951
Average performance of 81 hybrids tested at Storm Lake (Dist. 4), Clarion (Dist. 5), and Independence (Dist. 6).

| Hybrid | Name and address of entrant | Bushels available for planting in 1951 | Performance score | Acre yield bu.† | Stand pct. | Moist. pct. | Lodging root pct. | Lodging stalk pct. | Ear ht. | Drop'd ears pct. |
|------------------|--|--|-------------------|-----------------|------------|-------------|-------------------|--------------------|---------|------------------|
| Pioneer X0001 | Pioneer Hi-Bred Corn Co., Des Moines | 75 | 108.24 | 88.09 | 92.6 | 25.5 | 0.7 | 6.6 | 3.0 | 0.2 |
| Pioneer 352 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 40,165 | 105.28 | 90.9 | 90.9 | 25.0 | 2.6 | 3.6 | 2.5 | 0.0 |
| Pioneer 349 | Iowa Corn & Small Grain Growers Assn., Ames | 11 lb. | 105.18 | 83.81 | 91.4 | 23.0 | 4.3 | 6.9 | 2.4 | 0.2 |
| Iowa Hybrid 4576 | Agromony (FC) & U.S.D.A., Ames | 11,300 | 105.13 | 81.12 | 87.6 | 25.2 | 0.4 | 3.3 | 2.7 | 0.0 |
| Pioneer 337 | Pioneer Hi-Bred Corn Co., Des Moines | 14,300 | 104.87 | 83.04 | 89.1 | 24.8 | 3.1 | 5.4 | 3.0 | 0.4 |
| Maygold 69 | Earl E. May Seed Co., Shenandoah | 2,700 | 104.67 | 82.97 | 88.6 | 25.3 | 3.0 | 5.0 | 3.1 | 0.1 |
| Farmers 327 | Farmers Hybrid Seed Corn Co., Hampton | 2,300 | 104.46 | 80.97 | 87.7 | 25.2 | 2.0 | 3.3 | 2.4 | 0.0 |
| Pioneer 352 | Iowa Corn & Small Grain Growers Assn., Ames | 1,000 | 104.29 | 80.45 | 84.6 | 23.9 | 2.5 | 3.9 | 2.5 | 0.0 |
| Bear OK-31 | Bear Hybrids Corn Co., Decatur, Ill. | 8,400 | 103.86 | 81.69 | 89.7 | 24.9 | 0.4 | 8.4 | 2.9 | 0.1 |
| Pioneer 347 | Pioneer Hi-Bred Corn Co., Des Moines | 8,400 | 103.73 | 81.91 | 90.7 | 24.3 | 1.5 | 8.8 | 2.7 | 0.1 |
| Funk G-77A | Funk Bros. Seed Co., Belle Plaine | 2,968 | 103.21 | 80.37 | 88.1 | 24.9 | 3.3 | 4.8 | 3.1 | 0.4 |
| 600 | W. O. McCurdy & Sons, Fremont | 1,500 | 102.80 | 80.04 | 87.1 | 25.0 | 5.2 | 3.6 | 2.3 | 0.0 |
| Iowa Hybrid 4376 | Iowa Crop Improvement Assn., Ames | 10 lb. | 102.53 | 77.97 | 85.4 | 26.0 | 1.0 | 3.3 | 2.7 | 0.4 |
| Pioneer 325 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 13,925 | 102.49 | 79.85 | 88.2 | 28.3 | 2.1 | 3.0 | 2.4 | 0.5 |
| Iowa Hybrid 4517 | Agromony (FC) & U.S.D.A., Ames | 10 lb. | 102.15 | 78.83 | 84.4 | 29.1 | 0.4 | 2.4 | 3.2 | 0.3 |
| Pioneer 344 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 17,710 | 102.02 | 81.58 | 85.6 | 24.7 | 2.5 | 11.3 | 2.8 | 0.1 |
| DeKalb 406 | Iowa Corn & Small Grain Growers Assn., Ames | 10 lb. | 101.91 | 78.77 | 87.9 | 24.7 | 3.9 | 5.2 | 2.7 | 0.6 |
| W-245 | Wilson Hybrids, Inc., Harlan | 2,000 | 101.87 | 79.11 | 86.7 | 27.0 | 3.4 | 4.0 | 2.5 | 0.3 |
| J-39-A | Jacobsen Hybrid Corn Co., Lake View | 2,500 | 101.67 | 80.11 | 90.1 | 27.0 | 2.1 | 7.6 | 2.9 | 0.3 |
| Cornhusker 84 | Cornhusker Hybrid Co., Fremont, Nebr. | 1,475 | 101.61 | 78.31 | 87.0 | 26.6 | 0.9 | 6.0 | 3.2 | 0.5 |
| Iowa Hybrid 4249 | Iowa Corn & Small Grain Growers Assn., Ames | Comp. | 101.61 | 80.67 | 86.6 | 25.6 | 4.9 | 7.8 | 2.9 | 0.0 |
| Iowa Hybrid 4397 | Iowa Crop Improvement Assn., Ames | 225 | 101.55 | 77.75 | 85.4 | 25.6 | 4.0 | 3.1 | 2.6 | 0.5 |
| Cornelius C43 | Cornelius Hybrid Corn Co., Bellevue | 80 | 101.48 | 77.67 | 88.9 | 25.0 | 5.3 | 2.8 | 2.4 | 0.3 |
| Green Acres 472 | Green Acres, Hartington, Nebr. | 5,200 | 101.25 | 76.80 | 88.7 | 25.7 | 0.8 | 5.5 | 3.1 | 0.1 |
| U 42A | United Hybrid Growers Assn., Shenandoah | 5,200 | 101.19 | 78.64 | 83.2 | 25.8 | 1.2 | 8.7 | 2.7 | 0.0 |
| Mellowdent 194 | J. N. Horlacher & Son, Storm Lake | 300 | 101.18 | 77.72 | 89.2 | 24.8 | 3.7 | 5.6 | 2.9 | 0.1 |
| Iowa Hybrid 4249 | Harper Hardy Hybrids, Vinton | 2,500 | 101.16 | 79.40 | 88.9 | 26.2 | 4.6 | 6.3 | 2.8 | 0.1 |
| Pioneer 347 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 9,288 | 101.09 | 77.46 | 85.2 | 24.0 | 1.7 | 8.4 | 2.7 | 0.0 |
| Federal 240 | Federal Hybrids, Marion | 5,000 | 101.04 | 78.27 | 83.2 | 24.6 | 3.9 | 7.1 | 3.0 | 0.1 |
| PAG 347 | Associated Pfister Growers, Inc., Davenport | 2,000 | 100.81 | 80.67 | 90.4 | 25.3 | 6.3 | 9.1 | 3.0 | 0.0 |
| Iowa Hybrid 4298 | Iowa State Hybrid Corn Co., Elkhardt | 1,500 | 100.80 | 77.88 | 83.1 | 25.6 | 3.7 | 6.0 | 3.1 | 0.1 |
| Iowa Hybrid 4470 | Iowa Crop Improvement Assn., Ames | 10 lb. | 100.75 | 79.75 | 85.8 | 25.7 | 5.0 | 8.3 | 2.7 | 0.3 |
| Maygold 89 | Earl E. May Seed Co., Shenandoah | 7,100 | 100.71 | 75.80 | 85.3 | 24.6 | 4.2 | 3.1 | 2.5 | 0.1 |
| Iowa Hybrid 4345 | Iowa Crop Improvement Assn., Ames | Comp. | 100.55 | 77.55 | 87.6 | 26.2 | 4.2 | 5.0 | 2.7 | 0.1 |
| Iowa Hybrid 4418 | Iowa Crop Improvement Assn., Ames | Comp. | 100.55 | 77.40 | 88.0 | 25.6 | 5.3 | 4.3 | 2.7 | 0.1 |
| PAG X872 | Newcomer Hybrid Corn Co., N. Henderson, Ill. | 500 | 100.52 | 80.00 | 87.6 | 24.2 | 2.5 | 13.5 | 3.1 | 0.8 |
| Iowa Hybrid 4450 | Iowa State Hybrid Corn Co., Elkhardt | 1,300 | 100.29 | 77.58 | 88.2 | 25.6 | 5.4 | 5.3 | 2.8 | 0.3 |
| PAG 299 | Wilson-Ringer Corn Co., Sac City | 11,000 | 100.26 | 78.85 | 83.3 | 24.8 | 4.7 | 9.6 | 2.9 | 0.0 |

| C 12 | Iowa Hybrid 4459 | Carlson Hybrid Corn Co., Audubon | 1,489 | 100.00 | 77.63 | 88.5 | 22.7 | 4.7 | 8.6 | 2.7 | 0.0 |
|---------------------|------------------|--|--------|--------|-------|------|------|------|------|-----|-----|
| | | Agronomy (FC) & U.S.D.A., Ames | 8 lb. | 100.01 | 83.84 | 90.5 | 28.5 | 5.4 | 13.6 | 3.1 | 0.4 |
| C11-48 | | Christensen & Son, Audubon | 1,600 | 99.99 | 76.58 | 86.8 | 27.6 | 2.5 | 4.8 | 2.6 | 0.3 |
| Beckwith B | | Milford Bechtly, Peterson | 137 | 99.90 | 75.27 | 87.0 | 26.0 | 1.6 | 3.3 | 3.1 | 0.1 |
| Mellowdint M195 | | Louis Quinn, Alta | 420 | 99.86 | 78.17 | 86.2 | 26.0 | 6.6 | 5.9 | 2.5 | 0.4 |
| Corn King 114 | | Macon H. Grove, Pierson | 700 | 99.76 | 81.42 | 88.3 | 25.8 | 8.8 | 10.6 | 2.9 | 0.1 |
| Pioneer 339 | | Pioneer Hi-Bred Corn Co., Des Moines | 13,200 | 99.72 | 76.23 | 88.1 | 27.1 | 1.9 | 6.1 | 3.2 | 0.4 |
| U41 | | United Hybrid Growers Assn., Shonandoah | 7,000 | 99.68 | 77.97 | 88.1 | 25.0 | 5.7 | 8.2 | 2.9 | 0.3 |
| Crow 432 | | Crow Hybrid Corn Co., Nevada | 2,500 | 99.58 | 74.29 | 82.8 | 23.9 | 3.0 | 5.6 | 2.4 | 0.0 |
| Epley Medium | | Epley Bros., Shell Rock | 1,150 | 99.38 | 75.50 | 87.6 | 23.4 | 3.2 | 3.9 | 2.5 | 0.3 |
| Turner T48 | | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 99.13 | 78.86 | 88.5 | 25.6 | 1.7 | 13.6 | 3.1 | 0.0 |
| Iowa Hybrid 4297 | | Iowa Corn & Small Grain Growers Assn., Ames | | 99.13 | 75.84 | 87.4 | 25.0 | 6.7 | 4.6 | 2.7 | 0.4 |
| Iowa Hybrid 4412 | | Iowa Crop Improvement Assn., Ames | Comp. | 99.15 | 76.74 | 85.9 | 26.6 | 5.3 | 6.1 | 2.9 | 0.0 |
| DeKalb 404A | | Iowa Corn & Small Grain Growers Assn., Ames | | 99.13 | 76.07 | 86.2 | 24.6 | 2.7 | 9.7 | 2.9 | 0.4 |
| C257 | | Cargill, Inc., Grinnell | 16,000 | 99.10 | 76.06 | 79.9 | 26.0 | 5.4 | 3.4 | 2.9 | 0.3 |
| Pioneer 344 | | Clarke Hybrid Corn Co., Conrad | 4,132 | 99.04 | 73.56 | 84.4 | 23.9 | 3.8 | 5.0 | 2.6 | 0.0 |
| | | Iowa Corn & Small Grain Growers Assn., Ames | | 99.00 | 79.62 | 86.1 | 26.3 | 5.7 | 11.8 | 3.0 | 0.3 |
| PAG 366B | | Black & Abbott Farms, Walnut, Ill. | 1,035 | 98.73 | 78.12 | 87.9 | 26.0 | 2.6 | 13.1 | 2.9 | 0.4 |
| PAG 270 | | Associated Pfister Growers, Inc., Davenport | 5,000 | 98.69 | 79.65 | 90.3 | 24.6 | 2.9 | 1.4 | 3.1 | 0.6 |
| Tomahawk 60 | | Thompson Hybrid Corn Co., Inc., Belmond | 3,766 | 98.66 | 74.64 | 86.0 | 23.4 | 5.3 | 7.3 | 2.3 | 0.0 |
| Iowa Hybrid 4297 | | O. W. Johnson & Son, LeGrand | 4,500 | 98.64 | 74.17 | 83.8 | 25.9 | 4.0 | 4.8 | 2.9 | 0.0 |
| Iowa Hybrid 4316 | | Iowa Crop Improvement Assn., Ames | Comp. | 98.56 | 76.67 | 87.6 | 25.4 | 3.3 | 10.9 | 3.0 | 0.4 |
| PAG 35-2965 | | Wilson-Rindinger Corn Co., Sac City | 200 | 98.48 | 74.64 | 84.8 | 25.3 | 4.9 | 5.6 | 2.6 | 0.8 |
| U171 | | United Hybrid Growers Assn., Shenandoah | 100 | 98.43 | 74.79 | 85.4 | 26.2 | 3.6 | 6.6 | 3.3 | 0.1 |
| Parmer 427A | | Iowa Corn & Small Grain Growers Assn., Ames | | 98.38 | 79.99 | 87.4 | 26.5 | 7.6 | 12.5 | 2.9 | 0.1 |
| Punk G-15 | | Punk Bros. Seed Co., Belle Plaine | 2,669 | 98.24 | 75.70 | 85.7 | 23.6 | 3.9 | 9.1 | 3.1 | 0.5 |
| | | Cargill, Inc., Grinnell | 1,100 | 98.09 | 77.11 | 84.3 | 26.4 | 5.4 | 7.7 | 2.9 | 0.7 |
| H-42 | | Holden Foundation Hybrids, Williamsburg | 270 | 97.89 | 77.67 | 89.9 | 26.6 | 4.2 | 12.5 | 2.8 | 0.3 |
| C258 | | Clarke Hybrid Corn Co., Conrad | 6,165 | 97.55 | 73.03 | 87.1 | 25.1 | 6.0 | 4.7 | 2.8 | 0.2 |
| PAG 299 | | Iowa Corn & Small Grain Growers Assn., Ames | | 97.54 | 76.84 | 89.0 | 25.8 | 5.4 | 11.9 | 2.7 | 0.0 |
| Pioneer 322 | | Pioneer Hi-Bred Corn Co., Des Moines | 4,800 | 97.07 | 75.14 | 84.8 | 23.7 | 1.7 | 16.1 | 2.9 | 0.1 |
| Pioneer 350 | | Iowa Corn & Small Grain Growers Assn., Ames | | 97.06 | 72.50 | 85.3 | 25.6 | 0.9 | 9.6 | 3.1 | 0.1 |
| Parmer 322 | | Farmers Hybrid Seed Corn Co., Hampton | 10,500 | 96.83 | 74.22 | 83.0 | 28.5 | 5.2 | 5.9 | 2.5 | 0.0 |
| PAG 253 | | North Corn Belt Seed Growers, Naperville, Ill. | 5,000 | 96.23 | 71.25 | 82.6 | 25.7 | 2.9 | 6.7 | 2.6 | 0.0 |
| Indiana Hybrid 608C | | Iowa Crop Improvement Assn., Ames | Comp. | 96.08 | 76.13 | 87.1 | 27.3 | 7.8 | 10.5 | 2.9 | 0.4 |
| U40 | | United Hybrid Growers Assn., Shenandoah | 7,000 | 95.97 | 71.14 | 80.2 | 26.0 | 4.8 | 6.1 | 2.7 | 0.0 |
| PAG 170 | | Pfister Associated Growers, Inc., Monroe | 18,000 | 95.81 | 75.02 | 87.0 | 26.9 | 7.7 | 9.8 | 3.1 | 0.3 |
| Funk 10562 | | Funk Bros. Seed Co., Belle Plaine | 220 | 95.75 | 74.14 | 83.8 | 27.9 | 9.2 | 5.3 | 2.9 | 0.9 |
| Heim 600C | | Heim Hybrid Seed Corn Co., Lake City | 60 | 95.55 | 67.87 | 80.7 | 25.6 | 4.1 | 2.1 | 2.6 | 0.2 |
| 215-H | | Holden Hybrid Seed Farms, Tipton | 1,500 | 95.48 | 75.08 | 86.9 | 28.8 | 5.8 | 10.6 | 2.9 | 0.1 |
| Iowa Hybrid 306 | | Iowa Crop Improvement Assn., Ames | Comp. | 95.36 | 75.75 | 87.6 | 26.1 | 8.9 | 11.9 | 3.1 | 1.0 |
| Iowa Hybrid 4537 | | Agronomy (FC) & U.S.D.A., Ames | 8 lb. | 94.86 | 64.91 | 78.9 | 25.0 | 0.4 | 1.7 | 3.0 | 0.3 |
| 5220 | | J. M. Hunt & Son, Ackley | 55 | 89.46 | 70.06 | 82.3 | 24.1 | 10.5 | 19.7 | 2.9 | 0.1 |
| | | Average of all entries | | | 77.53 | 86.6 | 25.7 | 4.0 | 7.3 | 2.8 | 0.2 |

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 4.24 bushels an acre are not considered significant.

TABLE 10. SOUTH CENTRAL SECTION 1951
Average performance of 81 hybrids tested at Mapleton (Dist. 7), Slater (Dist. 8), and Durant (Dist. 9).

| Hybrid | Name and address of entrant | Bushels available for plant- ing in 1951 | Perform- ance score | Acre yield bu.-f | Stand pet. | Moist. pct. | Lodging pct. root | Stalk ht. | Ear ht. | Drop'd ears pct. |
|--------------------|--|---|---------------------------|------------------------|---------------|----------------|-------------------------|--------------|------------|------------------------|
| AES 801 (La. 4527) | Agromony (FC) & U.S.D.A., Ames | 14 lb. | 112.87 | 81.29 | 89.4 | 29.2 | 6.3 | 3.5 | 2.8 | 0.5 |
| C-25 | Carlson Hybrid Corn Co., Audubon | 10 lb. | 110.31 | 82.21 | 87.6 | 26.0 | 11.1 | 8.5 | 3.1 | 1.9 |
| Tomahawk 80 | Thompson Hybrid Corn Co., Inc., Belmond | 1,799 | 108.25 | 79.58 | 91.7 | 27.4 | 10.8 | 8.5 | 3.1 | 2.2 |
| Iowa Hybrid 4517 | Agromony (FC) & U.S.D.A., Ames | 10 lb. | 107.37 | 80.93 | 84.8 | 28.3 | 16.3 | 5.8 | 3.1 | 1.1 |
| PAG Ex4341 | Pfister Associated Growers, Inc., Aurora, Ill. | 200 | 106.48 | 80.30 | 87.5 | 24.8 | 20.1 | 6.7 | 2.8 | 1.4 |
| Pioneer 301 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 9,442 | 105.20 | 80.47 | 91.0 | 27.1 | 21.1 | 6.9 | 3.0 | 0.8 |
| 307H | Harper Hardy Hybrids, Vinton | 300 | 105.16 | 78.63 | 87.7 | 25.4 | 20.8 | 6.1 | 3.1 | 0.8 |
| Bear OK-50 | Bear Hybrids Corn Co., Decatur, Ill. | 1,000 | 104.96 | 81.83 | 86.6 | 27.0 | 21.3 | 9.2 | 2.9 | 0.7 |
| 835 | W. O. McCurdy & Sons, Fremont | 600 | 104.79 | 73.35 | 85.6 | 27.8 | 9.9 | 8.1 | 3.2 | 1.0 |
| Iowa Hybrid 4531 | Agromony (FC) & U.S.D.A., Ames | 6 lb. | 104.91 | 77.12 | 86.3 | 28.9 | 11.6 | 10.8 | 3.3 | 1.2 |
| Pioneer X6035 | Pioneer Hi-Bred Corn Co., Des Moines | 55 | 104.58 | 81.57 | 86.2 | 26.7 | 26.4 | 5.3 | 2.8 | 0.6 |
| J-24 | Jacobsen Hybrid Corn Co., Lake View | 450 | 104.57 | 76.82 | 87.7 | 27.1 | 18.5 | 7.0 | 3.2 | 0.7 |
| Cornellus C66 | Cornelius Hybrid Corn Co., Bellevue | 100 | 103.93 | 78.25 | 89.5 | 25.2 | 18.2 | 11.2 | 2.9 | 0.5 |
| 117M | W. O. McCurdy & Sons, Fremont | 1,100 | 103.92 | 76.88 | 89.8 | 26.4 | 13.5 | 12.5 | 3.1 | 1.1 |
| Coppock 52A | Marlon Coppock, Ankeny | 700 | 103.89 | 81.37 | 87.9 | 24.6 | 25.1 | 10.3 | 2.7 | 0.7 |
| Federal 155 | Federal Hybrids, Marion | 1,200 | 103.58 | 76.27 | 87.5 | 26.6 | 12.9 | 12.7 | 3.1 | 1.2 |
| Ohio Hybrid C92 | Iowa Corn & Small Grain Growers Assn., Ames | * | 103.38 | 76.12 | 90.6 | 27.6 | 18.1 | 7.0 | 3.2 | 0.7 |
| U47A | United Hybrid Growers Assn., Shenandoah | 6,000 | 103.23 | 76.11 | 87.0 | 25.0 | 17.0 | 10.9 | 3.0 | 0.4 |
| PAG 392 | Pfister Associated Growers, Inc., Monroe | 6,000 | 103.20 | 76.18 | 88.3 | 25.6 | 17.3 | 9.8 | 3.1 | 1.8 |
| 937M | W. O. McCurdy & Sons, Fremont | 2,000 | 102.75 | 75.06 | 88.8 | 26.5 | 16.5 | 9.4 | 3.3 | 0.8 |
| C277 | Clarke Hybrid Corn Co., Conrad | 1,738 | 102.61 | 70.87 | 85.7 | 25.3 | 11.3 | 9.3 | 2.9 | 1.7 |
| Funk G-37 | Funk Bros. Seed Co., Belle Plaine | 7,579 | 102.31 | 72.56 | 86.2 | 27.5 | 9.2 | 12.5 | 3.4 | 1.8 |
| U59 | United Hybrid Growers Assn., Shenandoah | 7,500 | 102.02 | 72.17 | 85.8 | 29.4 | 10.4 | 9.7 | 3.3 | 1.5 |
| Tomahawk 85 | Thompson Hybrid Corn Co., Inc., Belmond | 1,867 | 102.00 | 77.53 | 86.1 | 26.1 | 13.6 | 17.6 | 3.3 | 2.8 |
| Cornhusker 75 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 13,500 | 101.89 | 75.96 | 89.9 | 26.4 | 18.8 | 10.5 | 3.1 | 0.8 |
| U52 | United Hybrid Growers Assn., Shenandoah | 8,000 | 101.64 | 76.82 | 89.1 | 25.5 | 20.3 | 11.9 | 3.1 | 0.7 |
| PAG 347 | Arthur Walter Seed Co., Grand Ridge, Ill. | 6,000 | 101.53 | 76.57 | 91.3 | 25.1 | 19.7 | 12.4 | 2.8 | 1.4 |
| Iowa Hybrid 4385 | Iowa Crop Improvement Assn., Ames | Comp. | 101.50 | 69.65 | 83.3 | 25.4 | 13.9 | 7.6 | 3.3 | 0.9 |
| Cornhusker 148 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 37,500 | 101.39 | 77.31 | 83.3 | 26.6 | 25.6 | 6.7 | 3.0 | 1.1 |
| W-205A | Wilson Hybrids, Inc., Harlan | 3,000 | 101.18 | 78.71 | 90.0 | 27.2 | 23.9 | 10.5 | 2.9 | 1.1 |
| U.S. Hybrid 35 | Iowa Crop Improvement Assn., Ames | Comp. | 101.14 | 72.71 | 87.7 | 27.5 | 15.0 | 10.1 | 3.1 | 0.6 |
| W-310 | Wilson Hybrids, Inc., Harlan | 1,000 | 101.06 | 75.96 | 86.0 | 27.0 | 19.3 | 11.2 | 2.9 | 1.4 |
| Pioneer 350B | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.04 | 78.11 | 87.6 | 28.9 | 24.1 | 12.9 | 3.0 | 1.0 |
| Turner S57 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 100.86 | 73.22 | 81.4 | 27.7 | 14.9 | 11.2 | 3.4 | 1.2 |
| Federal 41 | Federal Hybrids, Marion | 50 | 100.57 | 73.90 | 85.4 | 26.3 | 21.3 | 7.8 | 3.1 | 1.2 |
| Helm 609C | Helm Hybrid Seed Corn Co., Lake City | 700 | 100.37 | 77.22 | 88.3 | 27.4 | 23.9 | 10.0 | 2.7 | 0.9 |
| 77-H | Holden Hybrid Seed Farms, Tipton | 1,500 | 99.99 | 77.72 | 90.6 | 26.9 | 21.7 | 14.2 | 3.3 | 1.1 |
| Pioneer 339 | Iowa Corn & Small Grain Growers Assn., Ames | * | 99.79 | 73.56 | 86.2 | 26.6 | 18.0 | 12.0 | 3.0 | 1.5 |

| | | | | | | | | |
|-----------------------------------|---------|-------|-------|------|------|------|------|-----|
| Crow Deep Root | 99.72 | 69.29 | 34.5 | 23.6 | 21.7 | 5.1 | 2.7 | 0.6 |
| Funk G-65 | 99.70 | 75.14 | 82.1 | 26.3 | 21.0 | 12.2 | 2.9 | 1.0 |
| Crow Hybrid Corn Co., Nevada | 15,000 | | | | | | | |
| Funk Bros. Seed Co., Belle Plaine | 1,471 | | | | | | | |
| Ohio Hybrid C92 | 500 | 99.69 | 75.93 | 88.5 | 27.2 | 25.0 | 8.7 | 0.6 |
| Iowa Hybrid 4325 | 7 lb. | 99.62 | 81.13 | 88.3 | 28.7 | 28.0 | 12.5 | 0.3 |
| Funk G-64 | 2,522 | 99.62 | 74.16 | 86.1 | 28.3 | 21.7 | 7.6 | 2.9 |
| Farmers 555 | 1,800 | 99.55 | 71.68 | 83.6 | 27.7 | 16.7 | 10.1 | 3.0 |
| Pioneer 300 | 5,700 | 99.47 | 78.24 | 89.4 | 29.0 | 18.9 | 17.2 | 3.4 |
| Iowa Hybrid 4298 | Comp. | 99.45 | 75.12 | 88.1 | 26.2 | 23.0 | 11.0 | 0.7 |
| Ohio Hybrid C92 | 1,900 | 99.41 | 73.60 | 86.0 | 27.4 | 21.9 | 8.6 | 3.1 |
| H-3 | 60 | 99.40 | 73.60 | 82.4 | 27.1 | 15.1 | 9.5 | 3.3 |
| 57-H | 800 | 99.14 | 74.45 | 85.6 | 29.3 | 14.4 | 4.9 | 2.9 |
| C-22 | 1,500 | 98.99 | 74.06 | 87.1 | 27.9 | 17.6 | 13.9 | 3.1 |
| Maygold 49 | 12,600 | 98.95 | 71.81 | 80.6 | 28.2 | 14.3 | 13.6 | 3.2 |
| 333 | 490 | 98.85 | 78.06 | 98.8 | 27.7 | 27.9 | 10.3 | 1.1 |
| Maygold 59 | 3,000 | 98.79 | 69.77 | 97.3 | 26.7 | 15.8 | 10.8 | 3.3 |
| Moevs 14 | 125,000 | 98.76 | 75.38 | 87.1 | 24.7 | 22.3 | 15.0 | 2.9 |
| Pioneer 300 | 125,000 | 98.67 | 73.74 | 88.6 | 28.3 | 23.1 | 17.3 | 3.3 |
| U53 | 150 | 98.67 | 73.58 | 83.5 | 29.4 | 22.7 | 7.4 | 2.9 |
| CHI-58 | 300 | 98.50 | 75.13 | 86.8 | 28.9 | 23.6 | 9.9 | 2.9 |
| C320 | 1,174 | 98.43 | 69.10 | 92.8 | 25.1 | 15.6 | 12.0 | 3.0 |
| PAG 347 | 12,000 | 98.36 | 70.24 | 92.3 | 24.4 | 21.6 | 9.0 | 2.7 |
| Pioneer 350 | 12,000 | 98.06 | 75.10 | 87.0 | 24.0 | 21.3 | 17.8 | 3.0 |
| U. S. Hybrid 13 | Comp. | 98.05 | 73.20 | 83.1 | 29.0 | 19.9 | 11.2 | 3.4 |
| PAG X874 | 550 | 97.78 | 75.71 | 83.3 | 25.1 | 22.5 | 16.5 | 3.4 |
| Pioneer 340 | 10,070 | 97.41 | 70.12 | 84.8 | 25.5 | 16.0 | 15.3 | 2.7 |
| Pioneer 336 | 6,700 | 97.13 | 70.76 | 85.1 | 28.6 | 16.5 | 13.4 | 3.3 |
| U49 | 6,700 | 96.26 | 67.75 | 85.7 | 27.8 | 17.8 | 10.7 | 3.3 |
| Pioneer 335 | * | 96.09 | 79.35 | 88.5 | 27.1 | 38.0 | 9.3 | 2.9 |
| Funk G-60 | 7,590 | 96.03 | 66.93 | 86.2 | 28.4 | 18.4 | 8.6 | 3.3 |
| Iowa Hybrid 4335 | 6 lb. | 95.58 | 55.91 | 78.9 | 28.2 | 6.6 | 4.6 | 2.7 |
| Pioneer 335 | 38,700 | 95.38 | 77.19 | 86.9 | 28.0 | 36.3 | 8.5 | 3.1 |
| U80 | 1,500 | 95.34 | 64.61 | 77.3 | 24.6 | 19.6 | 9.1 | 3.1 |
| DeKalb 627 | * | 94.76 | 75.03 | 83.3 | 25.0 | 32.5 | 13.3 | 2.6 |
| 300A | 6,000 | 94.68 | 72.91 | 88.6 | 27.4 | 24.3 | 15.7 | 2.7 |
| PAG Ex4506 | 350 | 94.66 | 72.51 | 86.1 | 27.4 | 23.5 | 16.2 | 2.7 |
| Crow 660 | 2,500 | 94.54 | 69.20 | 87.0 | 24.7 | 26.3 | 11.2 | 3.0 |
| ACE 340-N | 200 | 94.35 | 75.99 | 84.9 | 27.2 | 23.7 | 21.6 | 3.3 |
| Iowa Hybrid 4297 | * | 94.02 | 70.25 | 85.0 | 24.8 | 29.3 | 11.1 | 2.6 |
| PAG 170 | 2,000 | 93.75 | 71.46 | 85.5 | 27.4 | 27.4 | 13.0 | 3.1 |
| PAG 281 | 300 | 93.37 | 70.70 | 86.3 | 26.2 | 22.9 | 18.2 | 3.1 |
| Farmers 488 | * | 91.89 | 68.95 | 84.3 | 28.3 | 27.3 | 11.8 | 3.1 |
| 337 | 1,180 | 90.77 | 66.41 | 85.4 | 29.3 | 23.9 | 13.5 | 3.1 |
| Farmers 509 | 1,800 | 88.67 | 70.38 | 84.6 | 29.4 | 29.8 | 18.3 | 3.1 |
| Average of all entries | | 74.44 | 86.5 | 26.9 | 19.9 | 10.9 | 3.0 | 1.1 |

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 4.83 bushels an acre are not considered significant.

TABLE 11. SOUTHERN SECTION 1951
Average performance of 64 hybrids tested at Creston (Dist. 11) and Danville (Dist. 12).

| Hybrid | Name and address of entrant | Bushels available for plant- ing in 1951 | Perform- ance score | Acre bu.† | Stand pct. | Moist. pct. | Lodging root pct. | stalk ht. | Drop'd ears pct. |
|------------------|---|---|---------------------------|--------------|---------------|----------------|-------------------------|--------------|------------------------|
| Maygold 50A | Earl E. May Seed Co., Shenandoah | 60 | 115.27 | 81.99 | 93.2 | 22.6 | 7.6 | 9.4 | 2.9 |
| Bear OK-89 | Bear Hybrids Corn Co., Decatur, Ill. | 500 | 113.71 | 83.21 | 92.5 | 24.5 | 19.2 | 6.5 | 3.1 |
| C318 | Clarke Hybrid Corn Co., Conrad | 167 | 109.90 | 83.05 | 93.5 | 20.7 | 17.8 | 11.7 | 3.0 |
| Maygold 59A | Earl E. May Seed Co., Shenandoah | 19,600 | 109.27 | 86.53 | 91.4 | 22.0 | 26.3 | 7.6 | 3.1 |
| Federal 40 | Federal Hybrids, Marion | 50 | 107.57 | 85.09 | 93.5 | 21.5 | 26.9 | 8.9 | 3.0 |
| Dockendorff 13A | Wm. Dockendorff & Sons, Danville | 550 | 107.28 | 89.00 | 95.4 | 23.1 | 25.9 | 13.7 | 2.9 |
| Farmers 588 | Farmers Hybrid Seed Corn Co., Hampton | 3,000 | 107.20 | 81.18 | 89.4 | 22.3 | 21.7 | 9.6 | 3.0 |
| P121 | Pittmann Farm Seeds, Avoca | 1,800 | 107.12 | 83.87 | 91.3 | 24.4 | 18.7 | 14.5 | 2.8 |
| 123-1 | W. O. McCurdy & Sons, Fremont | 600 | 106.90 | 85.01 | 95.0 | 25.1 | 23.5 | 10.7 | 2.9 |
| Isenhart 141 | J. H. Isenhart, Batavia | 250 | 106.81 | 90.57 | 96.0 | 24.1 | 31.8 | 10.0 | 3.0 |
| Null N-68 | Null Seed Farms, Colchester, Ill. | 345 | 106.27 | 87.19 | 92.5 | 22.9 | 34.4 | 5.4 | 3.0 |
| M13 | Munson Hybrids, Galesburg, Ill. | 1,000 | 106.13 | 85.82 | 95.0 | 23.1 | 26.8 | 11.4 | 3.0 |
| ACE 233 | Eliaison Seed Sales, West Liberty | 325 | 106.04 | 77.04 | 92.9 | 22.3 | 14.8 | 13.9 | 3.1 |
| Maygold 47 | Earl E. May Seed Co., Shenandoah | 4,000 | 105.15 | 85.42 | 91.3 | 23.5 | 26.9 | 12.4 | 3.0 |
| 124-H | Holden Hybrid Seed Farms, Tipton | 300 | 104.54 | 82.32 | 94.7 | 23.1 | 27.1 | 10.0 | 3.0 |
| 124-2 | W. O. McCurdy & Sons, Fremont | 1,400 | 104.23 | 75.89 | 91.4 | 20.3 | 23.7 | 8.7 | 3.0 |
| Funk G-95 | Funk Bros. Seed Co., Belle Plaine | 2,079 | 104.17 | 85.35 | 92.2 | 22.6 | 26.8 | 14.9 | 3.0 |
| Cornhusker 63 | Cornhusker Hybrid Co., Fremont, Nebr. | 5,280 | 103.58 | 77.52 | 87.5 | 21.5 | 27.6 | 7.0 | 2.9 |
| PAG Ex4343 | Pfister Associated Growers, Inc., Monroe | 1,200 | 103.21 | 82.10 | 92.6 | 20.3 | 33.3 | 8.1 | 3.0 |
| Ohio Hybrid C92 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.65 | 81.53 | 91.1 | 21.6 | 33.5 | 7.3 | 3.0 |
| U. S. Hybrid 13 | J. H. Isenhart, Batavia | 1,000 | 102.61 | 83.19 | 93.6 | 22.5 | 27.9 | 14.2 | 2.8 |
| Turner T60 | Turner Hybrid Seed Corn Co., Grand Junction | 1,800 | 102.56 | 80.52 | 95.1 | 21.7 | 31.7 | 8.0 | 3.0 |
| Heim 950C | Heim Hybrid Seed Corn Co., Lake City | 60 | 102.20 | 81.72 | 93.8 | 23.1 | 32.0 | 8.9 | 3.0 |
| 349 | Cargill, Inc., Grinnell | 2,200 | 101.85 | 83.98 | 93.6 | 24.4 | 28.3 | 14.7 | 2.9 |
| PAG-392 | Shrock Hybrid Corn Co., Congerville, Ill. | 2,000 | 101.82 | 78.22 | 93.6 | 20.8 | 25.5 | 13.5 | 3.0 |
| C-33 | Carlson Hybrid Corn Co., Audubon | 2,000 | 101.81 | 78.67 | 93.2 | 22.6 | 21.0 | 17.0 | 2.8 |
| Funk G-94 | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.36 | 79.66 | 89.0 | 22.0 | 22.2 | 18.6 | 3.0 |
| W-300 | Wilson Hybrids, Inc., Harlan | 5,000 | 101.31 | 74.48 | 91.9 | 22.1 | 25.1 | 9.7 | 3.0 |
| CH-68 | Christoffersen & Son, Audubon | 350 | 101.29 | 80.82 | 94.6 | 23.1 | 31.7 | 9.7 | 2.8 |
| Iowa Hybrid 4385 | Iowa Crop Improvement Assn., Ames | Comp. | 101.26 | 78.75 | 93.8 | 21.5 | 32.3 | 8.0 | 3.1 |

| | | | | | | | | | |
|------------------------|--------|--------|-------|------|------|------|------|-----|-----|
| Pioneer 302 | 25,000 | 100.91 | 82.54 | 94.4 | 25.7 | 36.3 | 5.9 | 3.2 | 0.6 |
| Tomahawk 92 | 1,466 | 100.84 | 80.36 | 94.3 | 22.0 | 23.1 | 19.4 | 3.0 | 0.4 |
| 218-B | 1,100 | 100.63 | 79.72 | 93.6 | 20.8 | 30.5 | 12.7 | 2.9 | 0.0 |
| Crow 608 | 1,500 | 100.49 | 72.71 | 83.9 | 21.3 | 24.3 | 10.4 | 3.0 | 0.5 |
| Pioneer X7482 | 57 | 100.35 | 84.25 | 94.2 | 22.0 | 33.1 | 10.0 | 2.7 | 0.2 |
| U. S. Hybrid 35 | Comp. | 100.05 | 79.67 | 92.8 | 23.2 | 31.4 | 10.9 | 3.0 | 0.5 |
| Tweedy 66 | 50 | 100.03 | 78.52 | 95.1 | 23.0 | 26.1 | 15.0 | 3.0 | 0.4 |
| U. S. Hybrid 13 | 1,000* | 99.89 | 80.56 | 94.0 | 24.4 | 25.4 | 17.3 | 3.2 | 0.7 |
| Pioneer 339 | 1,341 | 99.60 | 75.81 | 92.6 | 21.7 | 28.8 | 11.1 | 2.9 | 0.2 |
| Iowa-Missouri 375A | 1,341 | 99.43 | 85.00 | 95.0 | 23.2 | 35.5 | 14.2 | 2.9 | 0.3 |
| Turner 553 | 2,075 | 99.23 | 80.07 | 93.5 | 24.7 | 28.7 | 14.6 | 3.0 | 0.5 |
| Meyer 591 | 475 | 99.12 | 78.12 | 96.8 | 22.0 | 22.2 | 20.8 | 2.7 | 0.7 |
| H-44 | 100* | 98.97 | 83.39 | 95.8 | 23.6 | 33.5 | 14.9 | 3.0 | 0.3 |
| DeKalb 847 | * | 98.68 | 80.05 | 91.0 | 21.6 | 35.7 | 10.8 | 2.9 | 0.3 |
| U. S. Hybrid 13 | * | 98.34 | 81.66 | 92.6 | 22.8 | 31.2 | 16.9 | 3.1 | 0.6 |
| U57 | 5,400 | 98.20 | 78.22 | 91.1 | 21.2 | 35.4 | 10.2 | 2.9 | 0.5 |
| PAG 185 | 2,000 | 97.66 | 75.32 | 89.9 | 21.5 | 31.7 | 11.9 | 2.9 | 0.5 |
| Pioneer 301 | 3,360 | 97.05 | 83.49 | 93.5 | 21.9 | 43.7 | 10.6 | 3.0 | 0.0 |
| 350 | 7,500 | 96.15 | 79.88 | 90.6 | 22.4 | 32.4 | 17.9 | 3.0 | 1.1 |
| Funk G-99 | 1,587 | 96.08 | 81.77 | 94.0 | 25.0 | 41.1 | 9.9 | 3.0 | 0.3 |
| U-BBF50 | 1,300 | 95.47 | 73.81 | 84.3 | 22.1 | 29.7 | 15.3 | 2.8 | 0.2 |
| DeKalb 800A | * | 93.60 | 75.97 | 93.5 | 22.7 | 32.7 | 17.8 | 3.1 | 0.3 |
| Harper 400H | 300 | 92.91 | 81.83 | 96.3 | 19.5 | 45.6 | 15.4 | 2.5 | 0.0 |
| U62A | 1,000 | 92.75 | 72.72 | 90.6 | 25.5 | 27.2 | 19.2 | 2.8 | 0.3 |
| U50A | 5,500 | 92.38 | 72.15 | 90.6 | 21.2 | 38.8 | 10.7 | 2.8 | 0.0 |
| Iowa Hybrid 4513 | Comp. | 92.17 | 74.92 | 91.5 | 22.3 | 36.7 | 15.6 | 2.8 | 0.0 |
| Pioneer 336 | * | 91.20 | 76.33 | 92.9 | 22.6 | 37.4 | 18.1 | 3.0 | 0.3 |
| PAG 170 | * | 91.15 | 79.02 | 91.9 | 21.1 | 46.2 | 13.6 | 3.0 | 0.3 |
| Pioneer 300 | * | 89.64 | 78.79 | 93.5 | 24.7 | 44.9 | 14.9 | 3.0 | 0.5 |
| U63A | 90 | 88.82 | 79.12 | 89.6 | 28.2 | 42.8 | 16.4 | 3.2 | 0.0 |
| U6 (white) | 5,100 | 88.71 | 75.70 | 92.2 | 29.7 | 52.4 | 2.0 | 3.2 | 0.0 |
| Pioneer 335 | * | 87.25 | 82.56 | 95.0 | 23.1 | 54.8 | 15.1 | 2.9 | 0.2 |
| Pioneer 335 | 39,350 | 86.80 | 78.32 | 90.7 | 23.3 | 49.8 | 15.8 | 2.8 | 0.3 |
| Cornhusker 45 | 1,050 | 80.45 | 73.73 | 93.2 | 26.8 | 62.7 | 6.9 | 3.2 | 0.2 |
| Average of all entries | | 80.57 | 92.7 | 92.8 | 31.5 | 12.3 | 3.0 | 0.4 | |

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 3.86 bushels an acre are not considered significant.

TABLE 12. DISTRICT ONE

This table shows the performance of 81 hybrids tested near Sheldon in Sioux County.

Date harvested—Nov. 8 and 9, 1951

Date planted—May 26, 1951

Cooperator—Alvin Litch

| Hybrid | Name and address of entrant | Bushels available for planting in 1951 | Performance score | Acre yield bu.† | Stand pct. | Moist. pct. | Lodging root pct. | Stalk ht. | Ear ht. | Drop'd ears pct. |
|------------------|--|--|-------------------|-----------------|------------|-------------|-------------------|-----------|---------|------------------|
| 214-B | Holden Hybrid Seed Farms, Tipton | 1,500 | 110.30 | 57.30 | 90.0 | 37.1 | 1.5 | 2.6 | 2.2 | 0.4 |
| Pioneer 349 | Iowa Corn & Small Grain Growers Assn., Ames | * | 106.53 | 52.44 | 92.7 | 35.7 | 0.0 | 1.8 | 2.6 | 0.4 |
| Crow 407 | Iowa Corn & Small Grain Growers Assn., Ames | * | 105.96 | 53.33 | 88.7 | 37.1 | 0.4 | 4.1 | 3.0 | 0.4 |
| Pioneer X7164 | Pioneer Hi-Bred Corn Co., Des Moines | 65 | 105.63 | 51.32 | 89.3 | 32.6 | 2.2 | 3.0 | 2.6 | 0.8 |
| Maygold 1065 | Earl E. May Seed Co., Shenandoah | 60 | 104.97 | 51.70 | 90.7 | 37.1 | 1.1 | 2.8 | 2.8 | 0.4 |
| Pioneer 349 | Pioneer Hi-Bred Corn Co., Des Moines | 73,100 | 104.42 | 50.93 | 94.0 | 36.4 | 0.0 | 2.1 | 2.4 | 1.1 |
| Corn King 112 | Malcom H. Grieve, Pierson | 120 | 104.41 | 54.58 | 88.0 | 37.8 | 9.1 | 3.0 | 2.4 | 1.1 |
| Tomahawk 42 | Thompson Hybrid Corn Co., Inc., Belmond | 5,052 | 104.14 | 49.92 | 89.3 | 33.8 | 0.0 | 3.0 | 3.0 | 1.9 |
| Pioneer 349 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 17,775 | 103.63 | 50.50 | 96.0 | 35.7 | 0.0 | 3.8 | 2.4 | 1.7 |
| U32A | United Hybrid Growers Assn., Shenandoah | 6,000 | 103.30 | 49.80 | 92.3 | 35.0 | 1.1 | 3.3 | 2.6 | 0.0 |
| Funk G-30 | Funk Bros. Seed Co., Belle Plaine | 20,532 | 102.94 | 50.13 | 88.7 | 35.0 | 2.6 | 3.4 | 2.4 | 1.1 |
| DeKalb 406 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.80 | 50.41 | 92.0 | 36.4 | 3.6 | 2.2 | 2.6 | 0.4 |
| HoW | Epley Bros., Shell Rock | 1,200 | 102.71 | 51.61 | 89.3 | 36.4 | 0.0 | 9.3 | 3.0 | 1.9 |
| H-31 | Holden Foundation Hybrids, Williamsburg | 50 | 102.68 | 48.43 | 88.7 | 32.6 | 0.8 | 4.5 | 2.4 | 0.0 |
| 105-H | Holden Hybrid Seed Farms, Tipton | 100 | 102.63 | 49.71 | 90.7 | 33.8 | 4.4 | 3.3 | 2.4 | 0.4 |
| C217 | Clarke Hybrid Corn Co., Conrad | 2,904 | 102.34 | 49.03 | 83.3 | 35.0 | 0.8 | 3.6 | 3.0 | 0.8 |
| DeKalb 410 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.26 | 49.97 | 86.0 | 35.0 | 4.3 | 3.9 | 2.6 | 0.0 |
| Farmers 427A | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.22 | 50.22 | 88.7 | 37.8 | 1.1 | 3.8 | 3.0 | 0.4 |
| Cornhusker 83 | Cornhusker Hybrid Co., Fremont, Nebr. | 5,800 | 101.96 | 49.25 | 90.7 | 36.4 | 2.6 | 1.8 | 2.6 | 0.7 |
| Iowa Hybrid 4483 | Agronomy (FC) & U.S.D.A., Ames | 11 lb. | 101.95 | 47.31 | 90.0 | 30.4 | 2.6 | 4.4 | 2.6 | 0.0 |
| Cornhusker 85 | Cornhusker Hybrid Co., Fremont, Nebr. | 9,940 | 101.84 | 48.72 | 88.7 | 36.4 | 0.4 | 3.0 | 2.8 | 0.0 |
| Pioneer 352 | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.81 | 48.92 | 88.0 | 36.4 | 1.1 | 2.3 | 2.8 | 1.5 |
| Funk G-114 | Funk Bros. Seed Co., Belle Plaine | 6,984 | 101.57 | 49.00 | 90.7 | 36.4 | 1.8 | 3.3 | 2.2 | 0.0 |
| C-8 | Carlson Hybrid Corn Co., Audubon | 4,029 | 101.26 | 47.42 | 89.0 | 35.7 | 0.0 | 1.9 | 3.0 | 0.0 |
| Pioneer X7278 | Pioneer Hi-Bred Corn Co., Des Moines | 1,600 | 101.23 | 48.18 | 91.3 | 33.1 | 0.0 | 6.9 | 3.0 | 2.6 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.21 | 49.40 | 85.7 | 35.7 | 2.0 | 6.2 | 3.0 | 0.8 |
| PAC 299 | J. M. Hunt & Son, Ackley | 7,500 | 101.09 | 49.91 | 92.3 | 37.8 | 3.3 | 4.3 | 2.4 | 0.0 |
| U37A | United Hybrid Growers Assn., Shenandoah | 1,100 | 101.09 | 49.36 | 88.7 | 37.1 | 1.9 | 4.9 | 2.8 | 0.0 |
| DeKalb-241 | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.08 | 47.54 | 90.7 | 32.6 | 1.5 | 5.5 | 3.0 | 0.7 |
| Pioneer 344 | Pioneer Hi-Bred Corn Co., Des Moines | 12,180 | 101.06 | 50.31 | 88.0 | 37.1 | 1.9 | 7.6 | 2.8 | 1.1 |
| PAC 282 | North Corn Belt Seed Growers, Naperville, Ill. | 600 | 101.05 | 47.82 | 90.3 | 35.7 | 1.1 | 2.2 | 2.8 | 1.1 |
| N150 | Cargill, Inc., Grinnell | 250 | 100.93 | 49.07 | 93.0 | 35.0 | 4.7 | 4.7 | 2.4 | 0.0 |
| Pioneer 352 | Pioneer Hi-Bred Corn Co., Des Moines | 58,300 | 100.55 | 48.61 | 89.0 | 37.1 | 2.6 | 3.4 | 2.2 | 0.0 |
| Federal 300 | Federal Hybrids, Marion | 1,000 | 100.54 | 47.78 | 91.0 | 35.7 | 3.3 | 1.5 | 2.6 | 1.1 |
| 96M | W. O. McCurdy & Sons, Fremont | 2,000 | 100.29 | 46.27 | 89.0 | 32.6 | 0.4 | 4.9 | 2.6 | 0.8 |
| Iowa Hybrid 4316 | Iowa Crop Improvement Assn., Ames | Comp. | 100.28 | 47.80 | 85.7 | 36.4 | 0.0 | 4.7 | 2.0 | 1.2 |
| W-145 | Wilson Hybrids, Inc., Harlan | 8,000 | 100.10 | 48.79 | 85.0 | 35.7 | 2.0 | 7.4 | 2.5 | 1.5 |
| Funk G-23 | Funk Bros. Seed Co., Belle Plaine | 6,203 | 99.96 | 48.40 | 83.3 | 36.4 | 0.0 | 5.0 | 2.6 | 0.4 |

| | | | | | | | | | | |
|------------------|--|--------|-------|-------|------|------|------|------|-----|-----|
| Funk 9420 | Funk Bros. Seed Co., Belle Plaine | 125 | 99.85 | 44.76 | 90.0 | 31.6 | 0.0 | 3.0 | 2.0 | 0.7 |
| J-10 | Jacobsen Hybrid Corn Co., Lake View | 600 | 99.70 | 45.46 | 87.3 | 32.6 | 1.9 | 2.3 | 2.4 | 1.2 |
| CH-38 | Christoffersen & Son, Audubon | | | | | | | | | |
| Iowa Hybrid 4441 | Iowa Crop Improvement Assn., Ames | 450 | 99.61 | 46.60 | 94.3 | 36.4 | 0.0 | 3.2 | 2.8 | 0.4 |
| PAG 277 | Black & Abbott Farms, Walnut, Ill. | Comp. | 99.57 | 45.37 | 89.0 | 30.4 | 0.8 | 6.7 | 2.8 | 1.1 |
| PAG Ex4199 | Pfister Associated Growers, Inc., Aurora, Ill. | 4,000 | 99.32 | 46.92 | 81.3 | 36.4 | 0.4 | 4.5 | 2.8 | 0.8 |
| Iowa Hybrid 4417 | Iowa Crop Improvement Assn., Ames | 200 | 99.00 | 47.76 | 92.7 | 36.4 | 4.7 | 4.3 | 2.6 | 0.0 |
| | | Comp. | 98.89 | 46.49 | 89.3 | 29.1 | 8.2 | 7.5 | 2.2 | 0.0 |
| Funk G-6 | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.71 | 43.44 | 84.0 | 29.4 | 1.2 | 4.0 | 2.0 | 1.2 |
| C-7 | Carlson Hybrid Corn Co., Audubon | 1,000 | 98.68 | 44.74 | 83.7 | 32.6 | 1.2 | 4.4 | 2.8 | 0.0 |
| PAG 270 | Wilson-Ringer Corn Co., Sac City | 1,800 | 98.59 | 46.80 | 92.3 | 36.4 | 1.1 | 5.4 | 3.0 | 1.4 |
| Funk G-1A | Funk Bros. Seed Co., Belle Plaine | 15,112 | 98.47 | 43.13 | 86.0 | 29.4 | 0.8 | 4.7 | 2.0 | 0.0 |
| Crow 260 | Crow Hybrid Corn Co., Nevada | 2,200 | 98.46 | 44.56 | 79.3 | 33.1 | 0.0 | 4.6 | 2.0 | 0.4 |
| Farmers 223 | Farmers Hybrid Seed Corn Co., Hampton | 3,700 | 98.45 | 45.58 | 86.3 | 31.6 | 0.8 | 9.3 | 2.0 | 0.8 |
| U39 | United Hybrid Growers Assn., Shenandoah | 3,000 | 98.45 | 46.20 | 88.0 | 36.4 | 2.7 | 2.3 | 2.4 | 1.5 |
| Turner T12A | Turner Hybrid Seed Corn Co., Grand Junction | 2,000 | 98.44 | 44.27 | 90.0 | 32.6 | 1.5 | 3.0 | 2.0 | 0.7 |
| Mellowdnt 89 | J. N. Horticher & Son, Storm Lake | 54 | 98.36 | 45.24 | 90.0 | 36.4 | 0.0 | 2.6 | 2.6 | 0.4 |
| Helm 650C | Helm Hybrid Seed Corn Co., Lake City | 55 | 98.29 | 45.22 | 83.7 | 35.0 | 1.9 | 2.6 | 2.0 | 0.8 |
| Federal 300A | Federal Hybrids, Marion | 1,000 | 98.28 | 45.18 | 91.0 | 35.0 | 0.0 | 4.0 | 2.8 | 1.5 |
| W-77 | Wilson Hybrids, Inc., Harlan | 500 | 98.17 | 44.09 | 90.3 | 29.8 | 4.1 | 4.8 | 2.2 | 0.4 |
| C17 | Clarke Hybrid Corn Co., Conrad | 1,150 | 98.10 | 44.86 | 85.7 | 35.7 | 0.0 | 2.7 | 2.6 | 1.2 |
| Cornelius 404 | Cornelius Hybrid Corn Co., Bellevue | 850 | 98.09 | 47.30 | 90.7 | 37.1 | 3.3 | 5.9 | 3.0 | 0.4 |
| Funk G-68 | Funk Bros. Seed Co., Belle Plaine | 2,153 | 98.09 | 45.02 | 82.0 | 33.1 | 2.0 | 5.3 | 2.4 | 0.4 |
| Pioneer 348 | Pioneer Hi-Bred Corn Co., Des Moines | 5,500 | 98.06 | 46.16 | 91.3 | 36.4 | 2.2 | 4.4 | 2.8 | 0.4 |
| Turner T27 | Turner Hybrid Seed Corn Co., Grand Junction | 1,100 | 97.87 | 43.93 | 86.0 | 32.6 | 0.0 | 5.4 | 2.0 | 0.8 |
| U36 | United Hybrid Growers Assn., Shenandoah | 7,600 | 97.79 | 45.03 | 88.0 | 36.4 | 0.4 | 3.0 | 2.4 | 0.8 |
| 228 | Cargill, Inc., Grinnell | 1,800 | 97.70 | 45.44 | 88.0 | 36.4 | 0.4 | 4.9 | 3.0 | 0.4 |
| 45-H | Holden Hybrid Seed Farms, Tipton | 1,200 | 97.70 | 45.63 | 88.7 | 37.1 | 1.9 | 3.0 | 3.0 | 0.4 |
| 200 | Cargill, Inc., Grinnell | 2,200 | 97.61 | 46.16 | 88.0 | 36.4 | 3.4 | 4.6 | 2.6 | 0.4 |
| Maygold 99A | Earl E. May Seed Co., Shenandoah | 7,200 | 97.59 | 48.68 | 89.7 | 36.4 | 10.8 | 5.6 | 2.8 | 0.4 |
| Exp. W-H | J. M. Hunt & Son, Ackley | 7,600 | 97.52 | 45.46 | 86.3 | 32.6 | 5.4 | 5.8 | 2.2 | 0.8 |
| 95M | W. O. McCurdy & Sons, Fremont | 5,000 | 97.40 | 43.88 | 82.0 | 33.1 | 0.8 | 4.9 | 2.2 | 0.4 |
| Mellowdnt M88 | Louis Quirin, Alta | 53 | 97.30 | 45.44 | 84.3 | 36.4 | 0.8 | 5.9 | 2.8 | 0.0 |
| Funk G-68A | Funk Bros. Seed Co., Belle Plaine | 1,322 | 97.24 | 44.73 | 87.0 | 33.1 | 3.1 | 6.1 | 2.0 | 0.0 |
| Farmers 388 | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.24 | 45.60 | 85.0 | 36.4 | 0.0 | 7.1 | 2.8 | 0.8 |
| Pioneer 372 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 50 | 97.17 | 44.80 | 90.0 | 34.4 | 4.1 | 3.0 | 2.8 | 1.9 |
| PAG 253 | Pfister Associated Growers, Inc., Monroe | 2,500 | 97.13 | 45.04 | 88.7 | 37.1 | 0.8 | 4.1 | 2.8 | 0.8 |
| Tomahawk 30 | Thompson Hybrid Corn Co., Inc., Belmond | 1,496 | 96.74 | 44.21 | 86.7 | 35.7 | 0.4 | 4.6 | 2.8 | 0.8 |
| B50 | Blaney Seed Farms, Madison, Wis. | 50 | 96.73 | 42.60 | 89.0 | 27.9 | 1.9 | 9.4 | 2.0 | 0.0 |
| Iowa Hybrid 4297 | Harper Hardy Hybrids, Vinton | 2,000 | 95.45 | 42.83 | 87.3 | 36.4 | 0.0 | 3.9 | 2.8 | 0.0 |
| U33A | United Hybrid Growers Assn., Shenandoah | 80 | 95.25 | 42.37 | 87.3 | 33.1 | 2.3 | 5.3 | 2.8 | 0.0 |
| C15 | Clarke Hybrid Corn Co., Conrad | 172 | 95.06 | 43.08 | 84.3 | 37.8 | 0.4 | 5.9 | 3.0 | 1.2 |
| 111M | W. O. McCurdy & Sons, Fremont | 1,500 | 95.06 | 44.10 | 90.0 | 35.7 | 1.1 | 5.9 | 2.6 | 0.4 |
| U32 | United Hybrid Growers Assn., Shenandoah | 5,600 | 93.97 | 43.47 | 91.0 | 36.4 | 0.0 | 10.3 | 2.8 | 0.7 |
| | Average of all entries | | 47.27 | 88.5 | 94.8 | 1.8 | 4.5 | 2.6 | 0.6 | |

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 3.61 bushels an acre are not considered significant.

TABLE 13. DISTRICT TWO

This table shows the performance of 81 hybrids tested near Mason City in Cerro Gordo County.

Date harvested—Nov. 13 and 14, 1951

Date planted—May 23, 1951

Cooperator—Earl Dean

| Hybrid | Name and address of entrant | Bushels available for plant- ing in 1951 | Perform- ance score | Acres yield bu./ | Stand pct. | Moist. pct. | Lodging pct. root | Lodging stalk pct. | Ear ht. | Drop'd ears pct. |
|------------------|--|---|---------------------------|------------------------|---------------|----------------|-------------------------|--------------------------|------------|------------------------|
| | | | | | | | | | | |
| DeKalb 406 | Iowa Corn & Small Grain Growers Assn., Ames | * | 108.99 | 67.51 | 90.3 | 28.8 | 1.1 | 2.6 | 3.4 | 0.0 |
| Pioneer 344 | Pioneer Hi-Bred Corn Co., Des Moines | 12,180 | 108.99 | 69.77 | 92.3 | 33.1 | 0.0 | 3.6 | 3.6 | 0.4 |
| Pioneer X7278 | Pioneer Hi-Bred Corn Co., Des Moines | 1,600 | 107.18 | 63.97 | 86.3 | 27.9 | 0.0 | 1.2 | 3.0 | 0.0 |
| Pioneer 349 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 17,775 | 106.71 | 64.66 | 89.3 | 27.1 | 0.0 | 5.6 | 3.0 | 0.0 |
| Pioneer 352 | Pioneer Hi-Bred Corn Co., Des Moines | 58,300 | 106.45 | 65.57 | 90.3 | 31.1 | 0.0 | 3.3 | 3.2 | 0.0 |
| 105-H | Holden Hybrid Seed Farms, Tipton | 100 | 106.41 | 64.66 | 91.0 | 28.8 | 0.0 | 4.0 | 3.0 | 0.4 |
| Corn King 112 | Malcom H. Grieve, Pierson | 120 | 105.84 | 66.44 | 92.3 | 32.6 | 0.4 | 5.1 | 3.2 | 0.4 |
| U32A | United Hybrid Growers Assn., Shenandoah | 6,000 | 105.39 | 63.08 | 87.7 | 28.3 | 0.4 | 2.7 | 3.0 | 0.4 |
| U32 | United Hybrid Growers Assn., Shenandoah | 5,600 | 105.37 | 62.95 | 90.7 | 28.3 | 0.0 | 2.9 | 3.0 | 0.0 |
| DeKalb 241 | Iowa Corn & Small Grain Growers Assn., Ames | * | 104.61 | 64.08 | 90.0 | 28.5 | 0.7 | 7.4 | 3.4 | 1.1 |
| U36 | United Hybrid Growers Assn., Shenandoah | 7,000 | 104.46 | 63.02 | 87.3 | 29.8 | 1.9 | 2.7 | 3.0 | 0.0 |
| Maygold 1065 | Paul E. May Seed Co., Shenandoah | 60 | 104.37 | 63.94 | 87.7 | 34.4 | 0.0 | 1.1 | 3.0 | 0.0 |
| Mellowdent M88 | Louis Quirin, Alta | 53 | 104.28 | 62.49 | 92.3 | 30.7 | 0.0 | 2.5 | 3.4 | 0.0 |
| 214-B | Holden Hybrid Seed Farms, Tipton | 1,500 | 104.19 | 63.53 | 90.7 | 31.6 | 0.0 | 4.4 | 3.0 | 0.0 |
| Pioneer 372 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 50 | 103.53 | 62.28 | 91.0 | 29.7 | 3.7 | 1.8 | 3.4 | 0.4 |
| Funk G-68A | Funk Bros. Seed Co., Belle Plaine | 1,322 | 103.40 | 62.28 | 87.3 | 29.4 | 0.8 | 5.7 | 2.8 | 0.0 |
| Tomahawk 42 | Thompson Hybrid Corn Co., Inc., Belmond | 5,052 | 103.32 | 62.53 | 91.3 | 31.6 | 0.0 | 4.7 | 3.6 | 0.0 |
| Tomahawk 30 | Thompson Hybrid Corn Co., Inc., Belmond | 1,496 | 102.83 | 60.77 | 92.3 | 30.4 | 0.4 | 3.3 | 3.0 | 0.0 |
| C217 | Clarke Hybrid Corn Co., Conrad | 2,904 | 102.60 | 62.58 | 91.7 | 30.7 | 0.0 | 8.0 | 3.2 | 0.0 |
| PAG 282 | North Corn Belt Seed Growers, Naperville, Ill. | 600 | 102.56 | 60.70 | 89.3 | 30.7 | 0.0 | 3.0 | 3.4 | 0.4 |
| Funk G-28 | Funk Bros. Seed Co., Belle Plaine | 6,203 | 102.23 | 62.84 | 87.3 | 32.1 | 0.0 | 8.0 | 3.2 | 0.0 |
| Farmers 223 | Farmers Hybrid Seed Corn Co., Hampton | 3,700 | 102.08 | 60.35 | 88.7 | 27.4 | 0.8 | 7.5 | 3.2 | 0.0 |
| Pioneer 349 | Pioneer Hi-Bred Corn Co., Des Moines | 73,100 | 101.38 | 59.40 | 87.7 | 30.0 | 0.0 | 2.7 | 3.0 | 0.0 |
| Pioneer 352 | Iowa Corn & Small Grain Growers Assn., Ames | 1,100 | 101.30 | 61.18 | 88.0 | 32.6 | 0.4 | 3.4 | 3.0 | 0.4 |
| Turner T27 | Turner Hybrid Seed Corn Co., Grand Junction | 1,100 | 101.88 | 59.59 | 89.3 | 27.1 | 0.0 | 7.1 | 3.0 | 0.4 |
| PAG 277 | Black & Abbott Farms, Walnut, Ill. | 4,000 | 101.79 | 61.09 | 89.7 | 32.6 | 0.0 | 4.1 | 3.4 | 0.0 |
| N150 | Cargill, Inc., Grinnell | 2,250 | 101.63 | 60.55 | 93.0 | 30.0 | 0.0 | 6.5 | 3.0 | 0.4 |
| Funk G-1A | Funk Bros. Seed Co., Belle Plaine | 15,412 | 101.63 | 59.43 | 87.7 | 27.4 | 0.4 | 6.8 | 2.6 | 0.0 |
| W-145 | Wilson Hybrids, Inc., Harlan | 8,000 | 101.40 | 62.63 | 87.0 | 30.7 | 0.0 | 3.8 | 3.1 | 0.0 |
| Pioneer 349 | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.22 | 60.50 | 89.7 | 29.7 | 2.2 | 6.0 | 3.0 | 0.0 |
| Pioneer 348 | Pioneer Hi-Bred Corn Co., Des Moines | 5,500 | 101.20 | 60.34 | 91.0 | 31.6 | 0.4 | 4.8 | 3.4 | 0.4 |
| C17 | Clarke Hybrid Corn Co., Conrad | 1,150 | 101.13 | 60.94 | 89.0 | 31.6 | 0.0 | 7.1 | 3.2 | 0.0 |
| Iowa Hybrid 4417 | Iowa Crop Improvement Assn., Ames | Comp. | 101.13 | 57.97 | 86.3 | 26.7 | 0.4 | 5.4 | 3.0 | 0.0 |
| Iowa Hybrid 4483 | Agromony (FC) & U.S.D.A., Ames | 111 lb. | 101.09 | 58.33 | 82.7 | 27.9 | 0.0 | 5.2 | 2.6 | 0.0 |
| C15 | Clarke Hybrid Corn Co., Conrad | 172 | 100.82 | 59.32 | 84.7 | 29.7 | 0.8 | 7.1 | 3.8 | 0.0 |
| 328 | Cargill, Inc., Grinnell | 1,800 | 100.73 | 60.07 | 88.3 | 32.6 | 0.8 | 3.8 | 3.6 | 0.4 |
| | | Comp. | 100.68 | 60.92 | 88.0 | 31.1 | 1.9 | 7.2 | 3.4 | 0.0 |

| | | | | | | | | | | |
|------------------|-------|--|--------|--------|-------|------|------|-----|------|-----|
| Funk G-6 | ----- | Iowa Corn & Small Grain Growers Assn., Ames | 100.55 | 57.04 | 84.0 | 26.5 | 0.0 | 5.6 | 2.8 | 0.0 |
| Cornhusker 83 | ----- | Cornhusker Hybrid Co., Fremont, Nebr. | 5,800 | 100.41 | 60.00 | 91.0 | 35.0 | 0.0 | 2.2 | 3.4 |
| H-31 | ----- | Holden Foundation Hybrids, Williamsburg | 50 | 100.26 | 57.98 | 84.3 | 30.7 | 0.0 | 3.2 | 3.0 |
| U37A | ----- | United Hybrid Growers Assn., Shenandoah | 1,100 | 100.20 | 62.50 | 88.9 | 29.7 | 4.9 | 11.7 | 3.2 |
| 96M | ----- | W. O. McCurdy & Sons, Fremont | 2,000 | 100.01 | 57.57 | 88.3 | 31.1 | 0.0 | 2.3 | 3.0 |
| J-10 | ----- | Jacobsen Hybrid Corn Co., Lake View | 600 | 99.70 | 58.11 | 88.3 | 30.7 | 0.0 | 5.3 | 3.0 |
| Funk G-114 | ----- | Funk Bros. Seed Co., Belle Plaine | 6,984 | 99.55 | 58.97 | 85.3 | 32.6 | 3.5 | 2.0 | 3.0 |
| Helin 650C | ----- | Helin Hybrid Seed Corn Co., Lake City | 55 | 99.24 | 59.58 | 89.0 | 32.7 | 0.0 | 6.4 | 3.0 |
| Grow 407 | ----- | Iowa Corn & Small Grain Growers Assn., Ames | 55 | 99.18 | 57.82 | 88.7 | 32.1 | 0.0 | 3.8 | 3.2 |
| PAG Ex4199 | ----- | Pfister Associated Growers, Inc., Aurora, Ill. | 200 | 98.92 | 59.39 | 89.7 | 32.6 | 1.1 | 7.4 | 3.4 |
| Funk G-68 | ----- | Funk Bros. Seed Co., Belle Plaine | 2,153 | 98.83 | 59.16 | 87.3 | 27.9 | 0.3 | 13.7 | 2.8 |
| Maygold 99A | ----- | Earl E. May Seed Co., Shenandoah | 7,200 | 98.80 | 58.48 | 84.3 | 31.6 | 2.8 | 4.7 | 3.2 |
| PAG 253 | ----- | Pfister Associated Growers, Inc., Monroe | 2,500 | 98.73 | 56.89 | 85.7 | 31.6 | 0.4 | 3.5 | 3.0 |
| Iowa Hybrid 4441 | ----- | Iowa Crop Improvement Assn., Ames | Comp. | 98.36 | 57.32 | 87.7 | 31.6 | 1.1 | 4.9 | 3.2 |
| Cornhusker 85 | ----- | Cornhusker Hybrid Co., Fremont, Nebr. | 9,940 | 98.07 | 57.55 | 88.0 | 35.0 | 0.0 | 3.0 | 3.0 |
| B50 | ----- | Blaney Seed Farms, Madison, Wis. | 50 | 98.04 | 55.68 | 88.3 | 26.4 | 0.0 | 9.8 | 3.0 |
| DeKalb 410 | ----- | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.74 | 58.35 | 89.3 | 30.4 | 2.6 | 9.7 | 3.4 |
| HOW | ----- | Epley Bros., Shell Rock | 1,200 | 97.59 | 57.16 | 88.7 | 33.1 | 0.0 | 6.0 | 3.2 |
| Cornelius 404 | ----- | Cornelius Hybrid Corn Co., Bellevue | 850 | 97.44 | 56.93 | 85.0 | 32.6 | 3.1 | 3.5 | 3.4 |
| Federal 300A | ----- | Federal Hybrids, Marion | 1,000 | 97.44 | 55.65 | 92.0 | 32.1 | 0.0 | 4.0 | 3.2 |
| Exp. W-H | ----- | J. M. Hunt & Son, Ackley | 500 | 97.18 | 58.54 | 85.3 | 29.7 | 7.4 | 8.2 | 3.2 |
| CH-38 | ----- | Christoffersen & Son, Audubon | 450 | 97.10 | 58.67 | 93.0 | 36.4 | 0.4 | 6.8 | 3.2 |
| Farmers 388 | ----- | Iowa Corn & Small Grain Growers Assn., Ames | * | 96.85 | 56.67 | 83.0 | 32.6 | 0.4 | 7.2 | 3.0 |
| PAG 299 | ----- | J. M. Hunt & Son, Ackley | 7,500 | 96.77 | 57.27 | 90.7 | 33.7 | 1.1 | 7.0 | 3.2 |
| Grow 260 | ----- | Crow Hybrid Corn Co., Nevada | 2,200 | 96.76 | 54.61 | 83.0 | 31.1 | 1.2 | 3.2 | 3.0 |
| 111M | ----- | W. O. McCurdy & Sons, Fremont | 1,500 | 96.68 | 58.73 | 85.7 | 30.0 | 0.4 | 3.5 | 3.0 |
| Federal 300 | ----- | Federal Hybrids, Marion | 1,000 | 96.67 | 56.72 | 90.0 | 32.6 | 0.4 | 8.2 | 3.2 |
| Farmers 427A | ----- | Iowa Corn & Small Grain Growers Assn., Ames | * | 96.65 | 56.57 | 85.0 | 35.7 | 1.2 | 2.8 | 3.8 |
| Turner T12A | ----- | Turner Hybrid Seed Corn Co., Grand Junction | 2,000 | 96.60 | 55.92 | 89.3 | 30.7 | 0.0 | 9.0 | 3.0 |
| U39 | ----- | United Hybrid Growers Assn., Shenandoah | 3,000 | 96.50 | 54.54 | 83.7 | 32.1 | 0.4 | 3.6 | 3.0 |
| 45-H | ----- | Holden Hybrid Seed Farms, Tipton | 1,200 | 95.63 | 55.34 | 88.0 | 34.4 | 3.4 | 2.3 | 3.6 |
| Iowa Hybrid 4297 | ----- | Harper Hardy Hybrids, Vinton | 2,000 | 95.29 | 55.65 | 91.7 | 32.6 | 2.9 | 6.9 | 3.2 |
| Mellowdent 89 | ----- | J. N. Horlacher & Son, Storm Lake | 54 | 94.52 | 55.99 | 90.0 | 37.1 | 0.0 | 5.6 | 3.6 |
| FAG 276 | ----- | Wilson-Rininger Corn Co., Sac City | 1,800 | 94.73 | 54.23 | 90.0 | 34.4 | 1.5 | 4.1 | 3.4 |
| DeKalb 404A | ----- | Iowa Corn & Small Grain Growers Assn., Ames | * | 94.52 | 52.80 | 89.0 | 33.7 | 0.0 | 2.6 | 3.0 |
| C-7 | ----- | Carlson Hybrid Corn Co., Audubon | 1,000 | 94.42 | 52.31 | 81.3 | 30.0 | 1.2 | 6.2 | 3.2 |
| W-77 | ----- | Wilson Hybrids, Inc., Harlan | 500 | 94.29 | 50.98 | 82.7 | 27.6 | 0.8 | 6.5 | 3.0 |
| 200 | ----- | Cargill Inc., Grinnell | 2,200 | 94.08 | 55.10 | 82.8 | 32.6 | 1.2 | 10.9 | 3.6 |
| Funk 94420 | ----- | Funk Bros. Seed Co., Belle Plaine | 1,25 | 94.08 | 51.75 | 82.0 | 30.4 | 0.0 | 6.5 | 3.0 |
| 95M | ----- | W. O. McCurdy & Sons, Fremont | 5,000 | 91.90 | 52.42 | 87.0 | 30.7 | 0.4 | 14.2 | 3.2 |
| U33 | ----- | United Hybrid Growers Assn., Shenandoah | 80 | 91.42 | 51.91 | 84.7 | 27.9 | 5.1 | 13.0 | 3.6 |
| C-8 | ----- | Carlson Hybrid Corn Co., Audubon | 4,029 | 91.13 | 50.84 | 89.3 | 34.4 | 0.0 | 7.8 | 3.2 |
| | ----- | Average of all entries | | 59.07 | | 88.0 | 31.0 | 0.9 | 5.4 | 3.2 |

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 7.11 bushels an acre are not considered significant.

TABLE 14. DISTRICT THREE

This table shows the performance of 81 hybrids tested near Waukon in Allamakee County.

Cooperator—Frank Hager Date planted—May 21, 1951 Date harvested—Nov. 15, 1951

| Hybrid | Name and address of entrant | Bushels available for planting in 1951 | Performance score | Acres yield bu.† | Stand pct. | Moist. pct. | Lodging root pct. | Stalk ht. | Ear ears pct. | Drop'd ears pct. |
|------------------|---|--|-------------------|------------------|------------|-------------|-------------------|-----------|---------------|------------------|
| Corn King 112 | Malcom H. Grieve, Pierson. | 120 | 111.58 | 64.12 | 83.3 | 37.1 | 0.0 | 2.4 | 3.2 | 0.0 |
| N150 | Cargill, Inc., Grinnell. | 250 | 108.96 | 60.33 | 82.0 | 35.0 | 0.8 | 1.6 | 3.2 | 0.0 |
| H-31 | Golden Foundation Hybrids, Williamsburg. | 50 | 108.91 | 60.09 | 88.0 | 35.0 | 1.5 | 0.4 | 3.2 | 0.0 |
| U32A | United Hybrid Growers Assn., Shenandoah. | 6,000 | 107.70 | 59.53 | 77.8 | 35.7 | 2.2 | 0.9 | 3.0 | 0.0 |
| Pioneer 352 | Iowa Corn & Small Grain Growers Assn., Ames | * | 106.77 | 58.11 | 83.0 | 36.4 | 0.4 | 0.4 | 3.2 | 0.0 |
| Pioneer 349 | Pioneer Hi-Bred Corn Co., Des Moines. | 73,100 | 106.58 | 59.36 | 84.7 | 37.1 | 3.2 | 0.8 | 3.0 | 0.0 |
| Pioneer 352 | Pioneer Hi-Bred Corn Co., Des Moines. | 53,300 | 106.47 | 58.85 | 82.3 | 36.4 | 2.0 | 0.4 | 3.0 | 0.0 |
| PAG 277 | Black & Abbott Farms, Walnut, Ill. | 4,000 | 106.22 | 58.56 | 77.3 | 35.7 | 4.7 | 0.0 | 3.6 | 0.0 |
| Iowa Hybrid 4441 | Iowa Crop Improvement Assn., Ames. | Comp. | 106.14 | 57.19 | 80.7 | 32.1 | 3.7 | 2.5 | 3.6 | 0.0 |
| Maygold 99A | Earl E. May Seed Co., Shenandoah | 7,200 | 105.77 | 60.79 | 83.3 | 36.4 | 10.4 | 1.2 | 3.4 | 0.0 |
| Cornhusker 83 | Cornhusker Hybrid Co., Fremont, Nebr. | 5,800 | 105.75 | 56.70 | 81.7 | 35.7 | 0.4 | 0.4 | 3.0 | 0.0 |
| Pioneer 349 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 17,775 | 105.62 | 58.08 | 86.3 | 35.0 | 1.9 | 4.3 | 3.0 | 0.0 |
| Pioneer 344 | Pioneer Hi-Bred Corn Co., Des Moines. | 12,150 | 105.36 | 58.98 | 78.7 | 35.0 | 5.2 | 4.4 | 3.6 | 0.0 |
| Funk G-68 | Funk Bros. Seed Co., Belle Plaine. | 2,153 | 105.27 | 57.14 | 78.0 | 32.6 | 4.6 | 3.4 | 3.0 | 0.0 |
| Mellowdent M88 | Louis Quirin, Alta. | 53 | 105.07 | 57.26 | 78.7 | 35.0 | 4.2 | 1.3 | 3.4 | 0.0 |
| C217 | Clarke Hybrid Corn Co., Conrad. | 2,904 | 105.06 | 57.03 | 79.7 | 36.4 | 0.0 | 2.9 | 3.0 | 0.0 |
| Maygold 1065 | Earl E. May Seed Co., Shenandoah. | 80 | 104.93 | 58.55 | 77.7 | 36.4 | 6.0 | 1.7 | 3.2 | 0.0 |
| Funk G-114 | Funk Bros. Seed Co., Belle Plaine. | 6,984 | 104.87 | 57.83 | 83.7 | 35.7 | 4.8 | 2.0 | 3.0 | 0.0 |
| HOW | Epley Bros., Shell Rock. | 1,200 | 104.85 | 56.50 | 82.0 | 36.4 | 1.2 | 0.8 | 3.2 | 0.0 |
| Iowa Hybrid 4483 | Agronomy (FC) & U.S.D.A., Ames. | 11 lb. | 104.78 | 55.18 | 80.3 | 32.1 | 3.3 | 1.2 | 3.0 | 0.0 |
| Crow 407 | Iowa Corn & Small Grain Growers Assn., Ames | * | 104.56 | 56.78 | 80.0 | 36.4 | 1.7 | 2.1 | 3.0 | 0.0 |
| U32. | United Hybrid Growers Assn., Shenandoah. | 5,600 | 104.35 | 58.28 | 81.7 | 35.0 | 7.8 | 2.9 | 3.4 | 0.0 |
| Pioneer X7164 | Pioneer Hi-Bred Corn Co., Des Moines | 65 | 103.85 | 57.34 | 82.7 | 35.7 | 7.7 | 0.8 | 3.0 | 0.0 |
| Pioneer 349 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.86 | 56.94 | 76.0 | 35.7 | 8.8 | 2.2 | 3.0 | 0.0 |
| 105-H | Holden Hybrid Seed Farms, Tipton. | 100 | 102.18 | 55.10 | 78.0 | 36.4 | 6.0 | 0.0 | 3.0 | 0.4 |
| Pioneer 372 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 50 | 102.08 | 52.59 | 77.7 | 33.7 | 1.3 | 1.7 | 3.0 | 0.0 |
| Turner T37 | Turner Hybrid Seed Corn Co., Grand Junction | 1,100 | 102.03 | 53.87 | 82.3 | 36.4 | 7.3 | 1.2 | 3.0 | 0.0 |
| Federal 300 | Federal Hybrids, Marion. | 1,000 | 102.02 | 54.10 | 79.3 | 36.4 | 3.4 | 0.4 | 3.2 | 0.0 |
| Turner T12A | Turner Hybrid Seed Corn Co., Grand Junction | 2,000 | 101.88 | 53.60 | 81.7 | 33.7 | 3.7 | 2.9 | 3.0 | 0.0 |
| Tomahawk 42 | Thompson Hybrid Corn Co., Inc., Belmond. | 5,052 | 101.76 | 54.14 | 78.0 | 36.4 | 1.3 | 3.4 | 3.6 | 0.0 |
| C-8 | Clarke Hybrid Corn Co., Audubon. | 4,029 | 101.37 | 53.62 | 81.7 | 35.7 | 2.0 | 3.3 | 3.4 | 0.0 |
| B50 | Blaney Seed Farms, Madison, Wis. | 50 | 101.31 | 51.76 | 80.7 | 29.4 | 4.6 | 4.6 | 3.0 | 0.0 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.29 | 54.47 | 80.7 | 35.7 | 5.4 | 2.5 | 3.2 | 0.4 |
| Heim 650C | Heim Hybrid Seed Corn Co., Lake City. | 55 | 100.85 | 52.72 | 82.3 | 35.7 | 2.0 | 2.0 | 2.8 | 0.0 |
| C15 | Clarke Hybrid Corn Co., Conrad | 172 | 100.75 | 51.00 | 79.0 | 36.4 | 1.7 | 0.8 | 3.6 | 0.0 |
| 200 | Cargill, Inc., Grinnell. | 2,200 | 100.75 | 57.15 | 81.6 | 36.4 | 13.6 | 2.9 | 3.2 | 0.0 |
| J-10 | Jacobson Hybrid Corn Co., Lake View | 600 | 100.25 | 53.12 | 80.3 | 35.0 | 7.5 | 0.8 | 3.0 | 0.0 |
| DeKalb 406 | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.12 | 53.26 | 81.3 | 36.4 | 4.6 | 2.6 | 3.3 | 0.0 |

TABLE 15. DISTRICT FOUR

This table shows the performance of 81 hybrids tested near Storm Lake in Buena Vista County.

Date harvested—Nov. 8, 1951

Date planted—May 15, 1951

Cooperator—J. N. Horlacher & Son

| Hybrid | Name and address of entrant | Bushels available for planting in 1951 | Performance score | Acres yield bu.† | Stand pct. | Moist. pct. | Lodging root pct. | Stalk ht. | Ear pct. | Drop'd ears |
|------------------|--|--|-------------------|------------------|------------|-------------|-------------------|-----------|----------|-------------|
| Pioneer X0001 | Pioneer Hi-Bred Corn Co., Des Moines | 75 | 109.30 | 88.12 | 93.7 | 24.9 | 0.0 | 6.4 | 3.0 | 0.7 |
| Pioneer 349 | Iowa Corn & Small Grain Growers Assn., Ames | | 108.48 | 85.91 | 89.7 | 19.2 | 0.0 | 11.5 | 3.0 | 0.0 |
| Pioneer 334 | Iowa Corn & Small Grain Growers Assn., Ames | * | 108.34 | 83.45 | 84.7 | 20.8 | 0.0 | 5.1 | 2.8 | 0.0 |
| Pioneer 332 | Iowa Corn & Small Grain Growers Assn., Ames | 8,400 | 107.96 | 84.77 | 92.7 | 22.3 | 0.0 | 7.2 | 3.0 | 0.0 |
| Pioneer 337 | Pioneer Hi-Bred Corn Co., Des Moines | 40,165 | 107.59 | 83.70 | 91.3 | 23.1 | 0.0 | 5.1 | 2.8 | 0.0 |
| Pioneer 352 | Garst & Thomas Hybrid Corn Co., Coon Rapids | | | | | | | | | |
| 600 | W. O. McCurdy & Sons, Fremont | 1,500 | 106.96 | 82.92 | 86.0 | 22.8 | 1.2 | 4.7 | 2.8 | 0.0 |
| Iowa Hybrid 4516 | Agronomy (FC) & U.S.D.A., Ames | 11 lb. | 106.27 | 81.34 | 85.3 | 23.2 | 0.0 | 4.3 | 3.0 | 0.0 |
| Pioneer 344 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 17,710 | 105.87 | 86.23 | 90.0 | 22.8 | 0.9 | 14.8 | 3.0 | 0.0 |
| Pioneer 347 | Earl E. May Seed Co., Shenandoah | 2,700 | 105.62 | 81.55 | 92.0 | 23.8 | 0.0 | 5.8 | 3.2 | 0.4 |
| Maygold 69 | Malcom H. Grieve, Pierson | 700 | 105.56 | 81.36 | 86.7 | 22.8 | 0.4 | 6.5 | 3.0 | 0.0 |
| Corn King 114 | | | | | | | | | | |
| W-45 | Pioneer Hybrids Corn Co., Decatur, Ill. | 1,000 | 105.43 | 81.51 | 84.0 | 22.2 | 0.0 | 8.3 | 3.0 | 0.0 |
| W-245 | Wilson Hybrids, Inc., Harlan | 2,000 | 104.74 | 80.36 | 82.7 | 25.6 | 0.0 | 4.0 | 3.0 | 0.0 |
| Iowa Hybrid 4297 | Iowa Corn & Small Grain Growers Assn., Ames | * | 103.99 | 77.94 | 86.0 | 23.4 | 0.0 | 3.9 | 3.0 | 0.4 |
| Farmers 327 | Farmers Hybrid Seed Corn Co., Hampton | 2,300 | 103.91 | 77.82 | 85.7 | 24.9 | 0.0 | 2.3 | 3.0 | 0.0 |
| Iowa Hybrid 4249 | Iowa Corn & Small Grain Growers Assn., Ames | * | 103.34 | 80.60 | 88.3 | 24.1 | 0.0 | 10.6 | 3.0 | 0.0 |
| Pioneer 337 | Pioneer Hi-Bred Corn Co., Des Moines | 14,300 | 103.27 | 78.68 | 83.7 | 23.8 | 0.0 | 6.8 | 3.0 | 1.2 |
| Funk G-45 | Funk Bros. Seed Co., Belle Plaine | 2,689 | 102.66 | 78.74 | 83.0 | 22.8 | 0.0 | 10.0 | 3.2 | 0.8 |
| Cornhusker 84 | Cornhusker Hybrid Co., Fremont, Nebr. | 1,475 | 102.59 | 78.22 | 85.3 | 25.6 | 0.0 | 5.9 | 3.6 | 0.8 |
| Mellowdent 194 | J. N. Horlacher & Son, Storm Lake | 300 | 102.57 | 77.79 | 87.0 | 23.4 | 0.0 | 8.1 | 3.2 | 0.0 |
| 250 | Cargill, Inc., Grinnell | 16,000 | 102.31 | 77.22 | 79.0 | 25.6 | 0.0 | 5.1 | 3.0 | 0.0 |
| Iowa Hybrid 4376 | Iowa Crop Improvement Assn., Ames | 10 lb. | 101.80 | 75.72 | 82.0 | 24.5 | 0.0 | 4.9 | 3.0 | 0.0 |
| Iowa Hybrid 4418 | Iowa Crop Improvement Assn., Ames | Comp. | 101.76 | 75.50 | 82.7 | 24.9 | 0.0 | 4.0 | 3.0 | 0.4 |
| C258 | Clarke Hybrid Corn Co., Conrad | 6,165 | 101.69 | 74.05 | 82.1 | 23.1 | 0.0 | 3.6 | 3.0 | 0.0 |
| Maygold 89 | Earl E. May Seed Co., Shenandoah | 7,100 | 101.53 | 75.18 | 87.3 | 23.8 | 0.8 | 4.6 | 3.0 | 0.4 |
| Iowa Hybrid 4412 | Iowa Crop Improvement Assn., Ames | Comp. | 101.37 | 76.13 | 84.3 | 24.9 | 0.0 | 6.3 | 3.0 | 0.0 |
| Pioneer 344 | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.35 | 78.22 | 85.0 | 25.6 | 0.0 | 9.8 | 3.0 | 0.4 |
| U41 | United Hybrid Growers Assn., Shenandoah | 7,000 | 101.31 | 76.61 | 85.7 | 24.9 | 0.0 | 7.8 | 3.0 | 0.0 |
| Funk G-77A | Funk Bros. Seed Co., Belle Plaine | 2,968 | 101.20 | 75.31 | 81.0 | 24.9 | 0.0 | 4.9 | 3.6 | 1.2 |
| PAG 347 | Associated Pfister Growers, Inc., Davenport | 2,000 | 101.10 | 75.46 | 85.4 | 23.4 | 0.0 | 7.8 | 3.3 | 0.0 |
| Tomahawk 60 | Thompson Hybrid Corn Co., Inc., Belmond | 3,766 | 101.08 | 75.94 | 83.3 | 22.0 | 0.0 | 8.8 | 3.0 | 0.0 |
| Mellowdent M195 | Louis Quirin, Alta | 420 | 100.94 | 75.88 | 84.3 | 22.8 | 0.0 | 9.5 | 3.0 | 0.8 |
| Cornelius C43 | Cornelius Hybrid Corn Co., Bellevue | 225 | 100.93 | 74.30 | 84.0 | 23.1 | 0.0 | 6.4 | 3.0 | 0.0 |
| I-AG X872 | Newcomer Hybrid Corn Co., N. Henderson, Ill. | 500 | 100.73 | 78.51 | 83.7 | 22.2 | 0.0 | 16.3 | 3.4 | 0.4 |
| Iowa Hybrid 4249 | Harper Hardy Hybrids, Vinton | 2,500 | 100.66 | 77.19 | 84.0 | 24.9 | 0.0 | 10.7 | 3.0 | 0.4 |
| J-39-A | Jacobsen Hybrid Corn Co., Lake View | 2,500 | 100.37 | 77.88 | 86.0 | 25.6 | 0.0 | 11.6 | 3.2 | 0.0 |
| Iowa Hybrid 4517 | Agronomy (FC) & U.S.D.A., Ames | 10 lb. | 100.50 | 73.60 | 73.7 | 27.2 | 0.0 | 1.4 | 3.6 | 0.0 |
| Pioneer 347 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 9,288 | 100.39 | 74.07 | 82.0 | 22.0 | 0.0 | 8.9 | 3.0 | 0.0 |
| Iowa Hybrid 4450 | Iowa State Hybrid Corn Co., Elkhart | 1,300 | 100.38 | 76.66 | 84.0 | 24.9 | 0.8 | 9.5 | 3.0 | 0.8 |

| | | | | | | | | | |
|------------------------|--|--------|-------|-------|------|-----|------|-----|-----|
| DeKalb 406 | Iowa Corn & Small Grain Growers Assn., Ames | 100.19 | 73.97 | 82.3 | 22.5 | 0.0 | 8.5 | 3.2 | 0.4 |
| CH-48 | Christoffersen & Son, Audubon | 100.16 | 75.98 | 84.3 | 25.6 | 0.0 | 8.7 | 2.8 | 0.3 |
| Iowa Hybrid 4298 | Iowa State Hybrid Corn Co., Elkhart | 100.11 | 74.29 | 76.7 | 24.9 | 0.0 | 6.5 | 3.2 | 0.4 |
| Iowa Hybrid 4470 | Iowa Crop Improvement Assn., Ames | 99.36 | 77.10 | 77.9 | 24.9 | 0.0 | 12.8 | 3.0 | 0.0 |
| Iowa Hybrid 4347 | Iowa Crop Improvement Assn., Ames | 99.84 | 72.55 | 80.7 | 24.1 | 0.0 | 4.1 | 3.0 | 1.7 |
| Iowa Hybrid 4395 | Iowa Crop Improvement Assn., Ames | 99.84 | 74.02 | 81.0 | 26.2 | 0.0 | 5.4 | 3.0 | 0.0 |
| Indiana Hybrid 608C | Iowa Crop Improvement Assn., Ames | 99.62 | 76.02 | 85.0 | 25.6 | 0.0 | 10.6 | 3.0 | 0.4 |
| Beeghly B | Milford Beeghly, Pierson | 99.59 | 75.01 | 82.1 | 24.1 | 0.0 | 10.7 | 3.2 | 0.0 |
| Helm 600C | Helm Hybrid Seed Corn Co., Lake City | 99.57 | 71.24 | 86.3 | 24.5 | 0.0 | 12.4 | 3.0 | 0.5 |
| Farmers 427A | Iowa Corn & Small Grain Growers Assn., Ames | 99.56 | 78.59 | 85.0 | 24.9 | 0.0 | 17.3 | 3.0 | 0.0 |
| C957 | Clarke Hybrid Corn Co., Conrad | 4.132 | 99.15 | 81.7 | 22.5 | 0.0 | 7.4 | 3.0 | 0.0 |
| C-12 | Carlson Hybrid Corn Co., Audubon | 1.489 | 99.05 | 83.3 | 22.5 | 0.0 | 12.5 | 3.0 | 0.0 |
| Federal 240 | Federal Hybrids, Marion | 500 | 99.02 | 73.0 | 23.1 | 0.0 | 9.1 | 3.2 | 0.0 |
| Crow 432 | Crow Hybrid Corn Co., Nevada | 2.500 | 98.38 | 82.2 | 21.5 | 0.0 | 11.2 | 2.6 | 0.0 |
| Epley Medium | Epley Bros., Shell Rock | 1.150 | 98.32 | 86.7 | 27.4 | 0.4 | 5.8 | 3.0 | 0.4 |
| Iowa Hybrid 4316 | Iowa Crop Improvement Assn., Ames | Comp. | 98.31 | 75.32 | 23.8 | 0.0 | 14.7 | 3.2 | 0.3 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | 500 | 98.36 | 84.7 | 22.2 | 0.0 | 11.0 | 3.0 | 0.4 |
| PAG 270 | Associated Pfister Growers, Inc., Davenport | 5,000 | 98.39 | 76.32 | 23.8 | 0.0 | 17.1 | 3.4 | 0.4 |
| Pioneer 325 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 13,925 | 98.35 | 73.59 | 84.0 | 0.0 | 4.0 | 2.8 | 0.0 |
| PAG 299 | Wilson-Rhinger Corn Co., Sac City | 11,000 | 98.32 | 78.3 | 23.5 | 0.0 | 12.3 | 3.0 | 0.0 |
| Pioneer 350 | Iowa Corn & Small Grain Growers Assn., Ames | Comp. | 97.88 | 70.55 | 23.5 | 0.0 | 7.0 | 3.4 | 0.0 |
| Iowa Hybrid 4297 | O. W. Johnson & Son, LeGrand | 4,500 | 97.72 | 71.97 | 24.9 | 0.0 | 9.3 | 2.8 | 0.0 |
| PAG 299 | Iowa Corn & Small Grain Growers Assn., Ames | 8 | 97.66 | 75.37 | 89.0 | 0.0 | 12.9 | 3.0 | 0.0 |
| PAG 35-2965 | Wilson-Rhinger Corn Co., Sac City | 200 | 97.33 | 69.94 | 82.7 | 0.0 | 5.7 | 3.0 | 1.6 |
| Iowa Hybrid 4459 | Agronomy (FC) & U.S.D.A., Ames | 8 lb. | 96.83 | 76.87 | 88.8 | 0.0 | 15.5 | 3.5 | 0.0 |
| Pioneer 339 | Pioneer Hi-Bred Corn Co., Des Moines | 13,200 | 96.60 | 71.65 | 85.7 | 0.0 | 8.6 | 3.6 | 0.8 |
| Farmers 322 | Farmers Hybrid Seed Corn Co., Hampton | 10,500 | 96.55 | 71.75 | 84.0 | 0.0 | 6.8 | 3.0 | 0.0 |
| Green Acres 472 | Green Acres, Hartington, Nebr. | 80 | 96.52 | 68.56 | 82.3 | 0.0 | 6.5 | 3.2 | 0.0 |
| 281 | Cargill, Inc., Grinnell | 1,100 | 96.10 | 71.08 | 78.3 | 0.0 | 9.8 | 3.0 | 1.3 |
| Turner T48 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 95.81 | 74.22 | 85.4 | 0.0 | 20.5 | 3.0 | 0.0 |
| U42A | United Hybrid Growers Assn., Shenandoah | 5,200 | 95.68 | 70.25 | 77.7 | 0.0 | 13.3 | 3.0 | 0.0 |
| PAG 366B | Black & Abbott Farms, Walnut, Ill. | 1,035 | 95.58 | 73.83 | 89.2 | 0.0 | 18.7 | 3.0 | 0.0 |
| Iowa Hybrid 4537 | Agronomy (FC) & U.S.D.A., Ames | 8 lb. | 95.52 | 64.70 | 73.7 | 0.0 | 2.3 | 3.4 | 0.5 |
| U471 | United Hybrid Growers Assn., Shenandoah | 100 | 95.42 | 70.14 | 77.9 | 0.0 | 12.3 | 3.8 | 0.5 |
| PAG 170 | Pfister Associated Growers, Inc., Monroe | 18,000 | 95.31 | 72.14 | 82.0 | 0.0 | 14.2 | 3.4 | 0.0 |
| PAG 253 | North Corn Belt Seed Growers, Naperville, Ill. | 5,000 | 95.06 | 68.52 | 77.0 | 0.0 | 10.8 | 3.0 | 0.0 |
| H-42 | Holden Foundation Hybrids, Williamsburg | 270 | 93.74 | 69.05 | 90.7 | 0.0 | 14.3 | 3.0 | 0.7 |
| Iowa Hybrid 306 | Iowa Crop Improvement Assn., Ames | Comp. | 93.42 | 71.15 | 83.0 | 0.0 | 19.3 | 3.4 | 0.4 |
| Pioneer 322 | Pioneer Hi-Bred Corn Co., Des Moines | 4,800 | 93.40 | 70.97 | 83.0 | 0.0 | 23.7 | 3.0 | 0.0 |
| 215-H | Holden Hybrid Seed Farms, Tipton | 1,500 | 93.04 | 68.53 | 80.3 | 0.0 | 8.4 | 3.2 | 0.0 |
| U40 | United Hybrid Growers Assn., Shenandoah | 7,000 | 92.05 | 64.20 | 74.0 | 0.0 | 25.6 | 0.0 | 2.8 |
| Funk 10562 | Funk Bros. Seed Co., Belle Plaine | 220 | 91.11 | 63.91 | 75.7 | 0.0 | 9.9 | 3.0 | 1.8 |
| 5290 | J. M. Hunt & Son, Ackley | 55 | 89.95 | 64.88 | 73.7 | 0.0 | 21.7 | 3.0 | 0.0 |
| Average of all entries | | | 75.22 | 83.4 | 24.4 | 0.1 | 9.2 | 3.1 | 0.3 |

* Widely grown hybrids as determined by a survey of farmers.
 † Differences in yield between any two entries of less than 7.92 bushels an acre are not considered significant.

TABLE 16. DISTRICT FIVE

This table shows the performance of 81 hybrids tested near Clarion in Wright County.

Cooperator—R. W. Hagie Date planted—May 7, 1951 Date harvested—Nov. 7, 1951

| Hybrid | Name and address of entrant | Bushels available for planting in 1951 | Performance score | Acre yield bu.† | Stand pct. | Moist. pct. | Lodging root pct. | Ear ht. | Drop'd ears pct. |
|------------------|--|--|-------------------|-----------------|------------|-------------|-------------------|---------|------------------|
| Farmers 327 | Farmers Hybrid Seed Corn Co., Hampton | 2,300 | 107.37 | 103.12 | 92.3 | 19.8* | 0.0 | 6.1 | 2.2 |
| Pioneer 325 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 13,825 | 106.94 | 102.32 | 90.7 | 21.8 | 0.0 | 3.7 | 2.4 |
| Pioneer X0001 | Pioneer Hi-Bred Corn Co., Des Moines | 75 | 106.87 | 106.51 | 88.7 | 19.6 | 0.0 | 13.2 | 3.0 |
| Cornelius C43 | Cornelius Hybrid Corn Co., Bellevue | 225 | 106.13 | 97.27 | 90.7 | 19.9 | 0.0 | 0.4 | 2.0 |
| Maygold 69 | Earl E. May Seed Co., Shenandoah | 103.23 | 105.23 | 100.16 | 86.3 | 20.5 | 0.0 | 7.0 | 3.0 |
| Iowa Hybrid 4397 | Iowa Crop Improvement Assn., Ames | Comp. | 105.05 | 98.50 | 87.7 | 21.1 | 0.0 | 4.2 | 2.6 |
| Pioneer 352 | Iowa Corn & Small Grain Growers Assn., Ames | * | 104.62 | 97.93 | 88.3 | 19.3 | 0.0 | 6.0 | 2.6 |
| Funk G-77A | Funk Bros. Seed Co., Belle Plaine | 2,968 | 104.23 | 97.65 | 91.0 | 19.2 | 0.0 | 7.3 | 2.6 |
| Iowa Hybrid 4249 | Harper Hardy Hybrids, Vinton | 2,500 | 103.89 | 97.86 | 90.3 | 20.1 | 0.0 | 7.8 | 3.0 |
| Iowa Hybrid 4517 | Agronomy (FC) & U.S.D.A., Ames | 101b. | 103.82 | 98.56 | 93.3 | 25.1 | 0.0 | 3.2 | 3.0 |
| Federal 240 | Federal Hybrids, Marion | 500 | 103.61 | 98.66 | 91.3 | 19.2 | 0.0 | 10.6 | 2.8 |
| Iowa Hybrid 4376 | Iowa Crop Improvement Assn., Ames | 10 lb. | 103.61 | 95.49 | 90.7 | 20.8 | 0.0 | 3.7 | 2.6 |
| Pioneer 339 | Pioneer Hi-Bred Corn Co., Des Moines | 13,200 | 103.38 | 97.68 | 87.0 | 20.1 | 0.8 | 8.1 | 3.0 |
| Dekalb 406 | Iowa Corn & Small Grain Growers Assn., Ames | * | 103.20 | 96.10 | 88.0 | 19.9 | 1.1 | 6.1 | 2.2 |
| Pioneer 337 | Pioneer Hi-Bred Corn Co., Des Moines | 14,300 | 103.10 | 95.85 | 88.3 | 20.5 | 0.0 | 6.4 | 3.0 |
| Maygold 89 | Earl E. May Seed Co., Shenandoah | 7,100 | 102.61 | 92.76 | 83.7 | 19.2 | 0.0 | 4.4 | 2.2 |
| Pioneer 349 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.51 | 95.62 | 90.0 | 19.7 | 0.4 | 8.2 | 2.0 |
| Bear OK-51 | Bear Hybrids Corn Co., Decatur Ill. | 1,000 | 102.25 | 99.05 | 94.0 | 20.5 | 0.0 | 13.8 | 2.8 |
| U42A | United Hybrid Growers Assn., Shenandoah | 5,200 | 102.15 | 97.70 | 87.3 | 21.1 | 0.0 | 11.5 | 3.0 |
| Green Acres 412 | Green Acres, Hartington, Nebr. | 80 | 101.81 | 95.50 | 91.0 | 20.5 | 0.0 | 9.5 | 3.0 |
| PAG 347 | Associated Pfister Growers, Inc., Davenport | 2,000 | 101.75 | 100.79 | 92.7 | 20.1 | 0.0 | 18.7 | 3.0 |
| Iowa Hybrid 4450 | Iowa State Hybrid Corn Co., Elkhardt | 1,300 | 101.68 | 92.17 | 89.0 | 21.1 | 0.0 | 4.1 | 2.4 |
| Iowa Hybrid 4345 | Iowa Crop Improvement Assn., Ames | Comp. | 101.50 | 95.09 | 93.3 | 21.3 | 0.0 | 8.9 | 2.6 |
| 400 | W. O. McCurdy & Sons, Fremont | 1,500 | 101.50 | 92.41 | 88.0 | 20.5 | 0.0 | 5.7 | 2.0 |
| Iowa Hybrid 4418 | Iowa Crop Improvement Assn., Ames | Comp. | 101.45 | 94.34 | 90.3 | 21.6 | 0.0 | 7.8 | 2.6 |
| Funk 10562 | Funk Bros. Seed Co., Belle Plaine | 220 | 101.35 | 94.96 | 87.0 | 23.4 | 0.0 | 6.9 | 2.8 |
| U47i | United Hybrid Growers Assn., Shenandoah | 100 | 101.34 | 93.96 | 92.3 | 21.1 | 0.0 | 7.9 | 3.4 |
| Iowa Hybrid 4576 | Agronomy (FC) & U.S.D.A., Ames | 11 lb. | 101.30 | 91.76 | 85.3 | 21.7 | 0.0 | 3.9 | 2.4 |
| Pioneer 332 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 40,165 | 101.11 | 91.31 | 89.0 | 21.7 | 0.0 | 3.8 | 2.4 |
| PAG X872 | Newcomer Hybrid Corn Co., N. Henderson, Ill. | 500 | 100.86 | 100.28 | 91.3 | 18.9 | 0.0 | 21.2 | 3.2 |
| 250 | Cargill, Inc., Grinnell | 16,000 | 100.83 | 93.35 | 80.7 | 20.2 | 0.0 | 9.5 | 2.6 |
| Mellowdent M195 | Louis Quirin, Alta | 420 | 100.67 | 92.97 | 84.3 | 21.5 | 0.0 | 7.9 | 2.2 |
| Iowa Hybrid 4470 | Iowa Crop Improvement Assn., Ames | 10 lb. | 100.64 | 94.68 | 88.7 | 20.5 | 0.0 | 11.7 | 2.8 |
| Iowa Hybrid 4298 | Iowa State Hybrid Corn Co., Elkhardt | 1,500 | 100.46 | 92.65 | 83.7 | 19.4 | 0.0 | 10.4 | 3.0 |
| C-12 | Carlson Hybrid Corn Co., Audubon | 1,489 | 100.40 | 93.36 | 87.0 | 19.2 | 0.4 | 11.5 | 2.6 |
| Beeghly B | Milford Beeghly, Pierson | 187 | 100.39 | 90.74 | 88.7 | 21.8 | 0.0 | 4.9 | 3.0 |
| Iowa Hybrid 4459 | Agronomy (FC) & U.S.D.A., Ames | 8 lb. | 100.37 | 91.58 | 91.0 | 24.9 | 0.0 | 24.9 | 3.0 |
| Iowa Hybrid 4297 | O. W. Johnson & Son, LeGrand | 4,500 | 100.32 | 88.38 | 79.2 | 20.2 | 0.0 | 3.0 | 3.0 |

| | | | | | | | | | | |
|---------------------|--|--------|--------|-------|------|------|-----|------|-----|-----|
| PAG 270 | Associated Pfister Growers, Inc., Davenport | 5,000 | 100.31 | 96.10 | 92.7 | 19.2 | 0.0 | 16.2 | 3.0 | 0.7 |
| U40 | United Hybrid Growers Assn., Shenandoah | 7,000 | 100.28 | 90.07 | 83.8 | 19.7 | 0.0 | 6.5 | 2.8 | 0.0 |
| Iowa Hybrid 4249 | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.20 | 94.76 | 83.3 | 20.2 | 1.2 | 12.4 | 2.8 | 0.0 |
| Pioneer 347 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 9,288 | 100.14 | 93.72 | 87.3 | 19.4 | 0.0 | 13.0 | 2.6 | 0.0 |
| Pioneer 344 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 17,710 | 100.12 | 99.22 | 88.3 | 20.5 | 0.8 | 19.6 | 3.0 | 0.4 |
| Iowa Hybrid 4412 | Iowa Crop Improvement Assn., Ames | Comp. | 100.02 | 93.09 | 86.0 | 21.1 | 0.4 | 10.1 | 2.6 | 0.0 |
| Mellowdent 194 | J. N. Horlacher & Son, Storm Lake | 300 | 100.02 | 90.37 | 90.3 | 20.2 | 0.0 | 7.0 | 3.0 | 0.4 |
| Crow 432 | Crow Hybrid Corn Co., Nevada | 2,500 | 99.98 | 88.58 | 77.7 | 19.6 | 0.0 | 5.2 | 2.2 | 0.0 |
| J-39-A | Jacobsen Hybrid Corn Co., Lake View | 2,500 | 99.97 | 93.16 | 92.3 | 22.8 | 0.0 | 8.7 | 2.8 | 0.4 |
| PAG 299 | Wilson-Rininger Corn Co., Sac City | 11,000 | 99.78 | 94.67 | 86.7 | 19.2 | 1.2 | 14.6 | 3.0 | 0.0 |
| C257 | Clarke Hybrid Corn Co., Conrad | 4,132 | 99.33 | 87.00 | 80.7 | 18.5 | 0.0 | 5.8 | 2.4 | 0.0 |
| W-245 | Wilson Hybrids, Inc., Harlan | 2,000 | 99.27 | 91.77 | 90.0 | 22.8 | 2.2 | 6.3 | 2.2 | 0.4 |
| Iowa Hybrid 306 | Iowa Crop Improvement Assn., Ames | Comp. | 99.12 | 94.68 | 90.3 | 20.8 | 0.4 | 15.1 | 3.0 | 1.1 |
| CH-48 | Christoffersen & Son, Audubon | 1,600 | 99.10 | 88.30 | 87.7 | 23.4 | 0.0 | 3.0 | 2.4 | 0.0 |
| Turner T48 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 99.10 | 96.34 | 88.3 | 20.2 | 0.0 | 19.3 | 3.3 | 0.0 |
| 251 | Cargill, Inc., Grinnell | 1,100 | 98.99 | 94.58 | 86.7 | 20.2 | 0.0 | 16.5 | 2.8 | 0.8 |
| Farmers 427A | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.94 | 98.04 | 90.0 | 20.8 | 3.3 | 13.5 | 2.8 | 0.0 |
| Cornhusker 84 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 1,475 | 98.80 | 91.20 | 90.7 | 21.5 | 0.0 | 10.3 | 3.0 | 0.7 |
| U41 | United Hybrid Growers Assn., Shenandoah | 7,000 | 98.80 | 92.80 | 88.3 | 19.9 | 0.0 | 15.1 | 3.0 | 0.4 |
| H-42 | Holden Foundation Hybrids, Williamsburg | 270 | 98.51 | 95.98 | 88.7 | 20.1 | 0.0 | 20.7 | 2.6 | 0.0 |
| C258 | Clarke Hybrid Corn Co., Conrad | 6,165 | 98.41 | 99.65 | 87.5 | 20.1 | 0.0 | 11.0 | 2.8 | 0.0 |
| Pioneer 347 | Pioneer Hi-Bred Corn Co., Des Moines | 8,400 | 98.38 | 92.28 | 85.3 | 19.2 | 0.0 | 16.0 | 2.6 | 0.4 |
| PAG 366B | Black & Abbott Farms, Walnut, Ill. | 1,035 | 98.36 | 95.08 | 91.7 | 22.1 | 0.0 | 17.1 | 3.0 | 0.7 |
| PAG 35-2965 | Wilson-Rininger Corn Co., Sac City | 200 | 98.02 | 89.26 | 84.2 | 20.2 | 0.0 | 10.9 | 2.5 | 1.0 |
| Heim 600C | Heim Hybrid Seed Corn Co., Lake City | 60 | 97.83 | 84.07 | 79.3 | 19.3 | 0.8 | 3.4 | 2.4 | 0.0 |
| PAG 299 | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.80 | 93.01 | 86.7 | 19.4 | 0.8 | 13.1 | 2.4 | 0.0 |
| Pioneer 344 | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.62 | 97.58 | 83.3 | 20.8 | 0.4 | 24.4 | 3.0 | 0.4 |
| Corn King 114 | Malcom H. Griewe, Pierson | 700 | 97.28 | 95.65 | 91.3 | 22.0 | 0.0 | 21.5 | 2.8 | 0.4 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.13 | 89.99 | 85.3 | 20.8 | 0.0 | 14.5 | 2.6 | 0.0 |
| Iowa Hybrid 4297 | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.12 | 86.46 | 89.7 | 20.8 | 0.4 | 8.2 | 2.6 | 0.7 |
| Iowa Hybrid 4316 | Iowa Crop Improvement Assn., Ames | Comp. | 96.94 | 91.38 | 89.7 | 21.7 | 0.0 | 16.0 | 2.8 | 0.4 |
| Epley Medium | Epley Bros., Shell Rock | 1,150 | 96.90 | 87.68 | 87.3 | 23.6 | 0.0 | 6.1 | 2.2 | 0.0 |
| Funk G-45 | Funk Bros. Seed Co., Belle Plaine | 2,669 | 95.97 | 89.26 | 87.7 | 25.5 | 0.0 | 15.6 | 3.2 | 0.8 |
| PAG 170 | Pfister Associated Growers, Inc., Monroe | 18,000 | 95.94 | 89.06 | 89.7 | 21.0 | 1.1 | 14.9 | 2.8 | 0.7 |
| 215-H | Holden Hybrid Seed Farms, Tipton | 1,500 | 95.34 | 91.25 | 84.3 | 21.7 | 0.0 | 20.6 | 2.8 | 0.4 |
| Farmers 322 | Farmers Hybrid Seed Corn Co., Hampton | 10,500 | 95.28 | 85.88 | 79.3 | 23.4 | 0.0 | 10.5 | 2.5 | 0.0 |
| Tomahawk 60 | Thompson Hybrid Corn Co., Inc., Belmond | 3,766 | 95.24 | 84.01 | 84.6 | 18.8 | 0.0 | 12.8 | 2.5 | 0.0 |
| PAG 253 | North Corn Belt Seed Growers, Naperville, Ill. | 5,000 | 94.97 | 82.68 | 81.3 | 19.9 | 0.0 | 10.3 | 2.4 | 0.0 |
| Pioneer 322 | Pioneer Hi-Bred Corn Co., Des Moines | 4,800 | 94.88 | 90.31 | 87.0 | 19.1 | 0.4 | 23.0 | 2.6 | 0.4 |
| Iowa Hybrid 4537 | Agronomy (FC) & U.S.D.A., Ames | 8 lb. | 94.65 | 77.92 | 79.7 | 21.6 | 0.0 | 1.7 | 2.8 | 0.4 |
| Indiana Hybrid 608C | Iowa Crop Improvement Assn., Ames | Comp. | 94.12 | 89.66 | 88.0 | 23.8 | 0.0 | 19.3 | 2.8 | 0.4 |
| Pioneer 350 | Iowa Corn & Small Grain Growers Assn., Ames | * | 93.20 | 85.13 | 89.7 | 20.8 | 0.0 | 18.2 | 2.8 | 0.4 |
| 5220 | J. M. Hunt & Son, Ackley | 55 | 87.70 | 83.46 | 86.0 | 19.2 | 0.0 | 33.7 | 2.6 | 0.0 |
| | Average of all entries | | | 93.41 | 87.7 | 20.7 | 0.2 | 11.2 | 2.7 | 0.2 |

* Widely grown hybrids as determined by a survey of farmers
 † Differences in yield between any two entries of less than 8.16 bushels an acre are not considered significant.

TABLE 17. DISTRICT SIX

This table shows the performance of 81 hybrids tested near Independence in Buchanan County.
 Cooperator—T. V. Van Laningham Date planted—May 16, 1951 Date harvested—Nov. 12 and 13, 1951

| Hybrid | Name and address of entrant | Bushels available for plant- ing in 1951 | Perform- ance score | Acre yield bu.† | Stand pct. | Moist. pct. | Lodging root pct. | Stalk ht. | Ear pct. | Drop'd ears pct. |
|------------------|---|---|---------------------------|-----------------------|---------------|----------------|-------------------------|--------------|-------------|------------------------|
| Pioneer 337 | Pioneer Hi-Bred Corn Co., Des Moines | 14,300 | 109.60 | 74.59 | 95.3 | 30.0 | 8.7 | 3.2 | 3.0 | 0.0 |
| Iowa Hybrid 4576 | Agronomy (FC) & U.S.D.A., Ames | 11 lb. | 109.00 | 70.25 | 92.0 | 30.7 | 1.1 | 1.8 | 2.8 | 0.0 |
| Pioneer 332 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 40,165 | 108.76 | 72.44 | 92.3 | 30.1 | 7.6 | 1.8 | 2.2 | 0.0 |
| Pioneer X0001 | Pioneer Hi-Bred Corn Co., Des Moines | 75 | 107.97 | 69.65 | 95.3 | 32.1 | 2.1 | 0.7 | 3.0 | 0.0 |
| U42A | United Hybrid Growers Assn., Shenandoah | 5,200 | 105.64 | 67.97 | 84.7 | 32.6 | 3.5 | 1.6 | 2.4 | 0.0 |
| Pioneer 347 | Pioneer Hi-Bred Corn Co., Des Moines | 8,400 | 105.57 | 68.67 | 94.0 | 31.6 | 4.3 | 3.9 | 2.4 | 0.0 |
| Green Acres 472 | Green Acres, Hartington, Nebr. | 80 | 105.36 | 66.35 | 92.7 | 32.1 | 2.2 | 0.7 | 3.0 | 0.0 |
| Pioneer 349 | Iowa Corn & Small Grain Growers Assn., Ames | * | 105.36 | 69.90 | 94.7 | 30.0 | 12.0 | 1.4 | 2.2 | 0.4 |
| J-39-A | Jacobson Hybrid Corn Co., Lake View | 2,500 | 105.25 | 69.29 | 92.0 | 32.6 | 6.2 | 2.9 | 2.6 | 0.4 |
| Funk G-77A | Funk Bros. Seed Co., Belle Plaine | 2,968 | 104.36 | 68.14 | 92.3 | 30.7 | 9.4 | 2.2 | 3.0 | 0.0 |
| Cornhusker 84 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 1,475 | 103.99 | 65.51 | 85.0 | 32.6 | 2.8 | 1.6 | 3.0 | 0.0 |
| Bear OK-31 | Bear Hybrids Corn Co., Decatur, Ill. | 1,000 | 103.53 | 64.51 | 91.0 | 32.1 | 1.1 | 2.9 | 3.0 | 0.0 |
| Epley Medium | Epley Bros., Shell Rock | 1,150 | 103.29 | 65.15 | 88.7 | 32.1 | 6.0 | 0.0 | 2.2 | 0.4 |
| PAG 299 | Wilson-Rininger Corn Co., Sac City | 11,000 | 103.22 | 68.50 | 84.7 | 31.6 | 12.6 | 2.0 | 2.6 | 0.0 |
| Pioneer 322 | Pioneer Hi-Bred Corn Co., Des Moines | 4,800 | 103.15 | 64.14 | 87.0 | 30.0 | 4.6 | 2.3 | 3.0 | 0.0 |
| Pioneer 347 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 9,288 | 102.88 | 64.60 | 86.7 | 30.7 | 5.8 | 1.9 | 2.5 | 0.0 |
| Maygold 69 | Earl E. May Seed Co., Shenandoah | 2,700 | 102.82 | 66.64 | 87.3 | 31.6 | 9.2 | 2.3 | 3.0 | 0.0 |
| Iowa Hybrid 4459 | Agronomy (FC) & U.S.D.A., Ames | 8 lb. | 102.77 | 69.76 | 91.3 | 33.7 | 15.0 | 0.7 | 3.0 | 0.7 |
| DeKalb 406 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.54 | 66.35 | 93.3 | 31.6 | 10.0 | 1.4 | 2.8 | 1.4 |
| PAG 366B | Black & Abbott Farms, Walnut, Ill. | 1,035 | 102.37 | 65.39 | 83.0 | 30.4 | 7.6 | 4.0 | 2.6 | 0.4 |
| Iowa Hybrid 4298 | Iowa State Hybrid Corn Co., Elkhart | 1,500 | 102.27 | 66.70 | 89.0 | 32.6 | 10.5 | 1.5 | 3.0 | 0.0 |
| DeKalb 404A | Iowa Corn & Small Grain Growers Assn., Ames | 10 lb.* | 102.23 | 65.60 | 88.7 | 30.7 | 7.9 | 3.8 | 3.0 | 0.8 |
| Iowa Hybrid 4470 | Iowa Crop Improvement Assn., Ames | 10 lb. | 102.07 | 67.46 | 89.3 | 31.6 | 13.4 | 1.9 | 2.4 | 0.4 |
| W-245 | Wilson Hybrids, Inc., Harlan | 2,000 | 101.96 | 65.51 | 87.5 | 32.6 | 9.1 | 1.0 | 2.3 | 0.5 |
| Turner T48 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 101.81 | 64.53 | 91.0 | 32.6 | 4.4 | 4.0 | 3.0 | 0.9 |
| Iowa Hybrid 4376 | Iowa Crop Improvement Assn., Ames | 10 lb. | 101.72 | 62.71 | 83.7 | 32.6 | 3.2 | 1.2 | 2.4 | 0.4 |
| Iowa Hybrid 4249 | Iowa Corn & Small Grain Growers Assn., Ames | 10 lb.* | 101.57 | 66.66 | 91.0 | 32.6 | 12.8 | 1.1 | 2.8 | 0.0 |
| Iowa Hybrid 4517 | Agronomy (FC) & U.S.D.A., Ames | 10 lb. | 101.52 | 63.44 | 86.3 | 35.0 | 11.2 | 2.3 | 3.0 | 0.4 |
| C-12 | Carlson Hybrid Corn Co., Audubon | 1,489 | 101.49 | 65.36 | 94.0 | 29.4 | 12.1 | 3.2 | 2.6 | 0.0 |
| Mellowdent 194 | J. N. Horlacher & Son, Storm Lake | 300 | 101.43 | 64.99 | 90.3 | 30.7 | 11.1 | 1.9 | 2.6 | 0.0 |
| H-42 | Holden Foundation Hybrids, Williamsburg | 270 | 101.40 | 67.99 | 90.3 | 34.4 | 12.6 | 2.6 | 2.8 | 0.0 |
| Pioneer 325 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 13,925 | 101.23 | 63.64 | 90.0 | 32.6 | 6.3 | 1.5 | 2.0 | 0.7 |
| CH-48 | Christoffersen & Son, Audubon | 1,600 | 101.21 | 65.46 | 88.8 | 33.7 | 8.5 | 2.4 | 2.8 | 0.0 |
| Tomahawk 60 | Thompson Hybrid Corn Co., Inc., Belmond | 3,766 | 100.81 | 64.37 | 87.0 | 29.4 | 14.6 | 1.5 | 2.8 | 0.0 |
| Pioneer 350 | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.78 | 62.11 | 90.3 | 32.6 | 6.3 | 3.3 | 3.0 | 0.0 |
| Farmers 327 | Farmers Hybrid Seed Corn Co., Hampton | 2,200 | 100.76 | 61.96 | 85.0 | 31.1 | 6.3 | 1.2 | 2.0 | 0.0 |
| PAG 35-2965 | Wilson-Rininger Corn Co., Sac City | 4,200 | 100.53 | 64.73 | 87.3 | 30.7 | 13.4 | 1.5 | 2.2 | 0.0 |
| | | | | 67.73 | 87.8 | 31.6 | 14.5 | 1.5 | 2.4 | 0.0 |

| | | | | | | | | | | |
|---------------------|--|--------|--------|-------|------|------|------|-----|-----|-----|
| Iowa Hybrid 4845 | --- Iowa Crop Improvement Assn., Ames | Comp. | 100.13 | 63.53 | 82.3 | 31.1 | 12.5 | 0.4 | 2.6 | 0.0 |
| Grow 432 | --- Crow Hybrid Corn Co., Nevada | 2,500 | 100.09 | 61.62 | 87.3 | 30.7 | 8.4 | 0.3 | 2.4 | 0.0 |
| Iowa Hybrid 4816 | --- Iowa Crop Improvement Assn., Ames | Comp. | 100.09 | 62.84 | 86.7 | 30.7 | 10.0 | 1.9 | 3.0 | 0.0 |
| Federal 240 | --- Federal Hybrids, Marion | 500 | 99.79 | 63.36 | 85.3 | 31.6 | 11.3 | 1.6 | 3.0 | 0.0 |
| Farmers 322 | --- Farmers Hybrid Seed Corn Co., Hampton | 10,500 | 99.60 | 65.04 | 85.7 | 32.6 | 15.2 | 0.8 | 2.2 | 0.0 |
| PAG 347 | --- Associated Pfister Growers, Inc., Davenport | 2,000 | 99.56 | 65.77 | 92.0 | 32.6 | 17.4 | 0.4 | 2.8 | 0.0 |
| PAG 253 | --- North Corn Belt Seed Growers, Naperville, Ill. | 5,000 | 99.43 | 62.54 | 89.3 | 32.6 | 10.8 | 0.0 | 2.4 | 0.0 |
| 251 | --- Cargill, Inc., Grinnell | 1,100 | 99.30 | 65.68 | 89.3 | 32.6 | 15.3 | 3.0 | 2.8 | 0.0 |
| Pioneer 344 | --- Garst & Thomas Hybrid Corn Co., Coon Rapids | 17,710 | 99.27 | 59.30 | 79.3 | 30.7 | 5.9 | 0.4 | 2.4 | 0.0 |
| U41 | --- United Hybrid Growers Assn., Shenandoah | 7,000 | 99.24 | 64.51 | 79.3 | 30.4 | 16.6 | 1.9 | 2.6 | 0.4 |
| Beeghly B | --- Milford Keethly, Pierson | 187 | 99.19 | 60.06 | 89.3 | 32.1 | 4.5 | 1.9 | 3.0 | 0.4 |
| C257 | --- Clarke Hybrid Corn Co., Conrad | 4,132 | 99.06 | 61.92 | 91.0 | 30.7 | 10.6 | 2.2 | 2.4 | 0.0 |
| Iowa Hybrid 4450 | --- Iowa State Hybrid Corn Co., Elkhart | 1,300 | 99.00 | 63.90 | 91.7 | 30.7 | 14.9 | 2.6 | 3.0 | 0.0 |
| PAG X879 | --- Newcorn Hybrid Corn Co., N. Henderson, Ill. | 500 | 98.95 | 61.20 | 87.7 | 31.6 | 7.6 | 2.7 | 2.8 | 0.4 |
| Pioneer 352 | --- Iowa Corn & Small Grain Growers Assn., Ames | * | 98.91 | 59.96 | 80.7 | 31.1 | 7.9 | 2.4 | 2.2 | 0.0 |
| Iowa Hybrid 4397 | --- Iowa Crop Improvement Assn., Ames | Comp. | 98.88 | 62.20 | 88.0 | 31.6 | 11.7 | 1.1 | 2.2 | 0.0 |
| Iowa Hybrid 4297 | --- O. W. Johnson & Son, LeGrand | 4,500 | 98.59 | 62.15 | 89.0 | 32.6 | 10.5 | 1.9 | 2.8 | 0.0 |
| 215-H | --- Holden Hybrid Seed Farms, Tipton | 1,500 | 98.40 | 65.46 | 93.3 | 33.7 | 15.4 | 3.6 | 2.8 | 0.0 |
| Iowa Hybrid 4249 | --- Harper Hardy Hybrids, Vinton | 2,500 | 98.28 | 63.16 | 92.3 | 33.7 | 13.4 | 0.7 | 2.4 | 0.0 |
| Mellondent M195 | --- Louis Quirin, Alta | 420 | 98.28 | 65.67 | 90.0 | 33.7 | 18.9 | 0.7 | 2.4 | 0.4 |
| Iowa Hybrid 4418 | --- Iowa Crop Improvement Assn., Ames | Comp. | 98.23 | 62.36 | 90.0 | 30.4 | 15.6 | 1.1 | 2.4 | 0.0 |
| Pioneer 339 | --- Pioneer Hi-Bred Corn Co., Des Moines | 13,200 | 97.90 | 59.36 | 91.7 | 33.7 | 4.7 | 1.8 | 3.0 | 0.0 |
| U471 | --- United Hybrid Growers Assn., Shenandoah | 100 | 97.57 | 60.28 | 84.3 | 32.6 | 10.3 | 0.8 | 2.8 | 0.0 |
| PAG 270 | --- Associated Pfister Growers, Inc., Davenport | 5,000 | 97.50 | 66.52 | 94.7 | 30.7 | 25.7 | 1.8 | 3.0 | 0.7 |
| Maygold 89 | --- Earl E. May Seed Co., Shenandoah | 7,100 | 97.38 | 59.47 | 85.0 | 30.7 | 11.8 | 0.4 | 2.2 | 0.0 |
| Pioneer 344 | --- Iowa Corn & Small Grain Growers Assn., Ames | * | 97.36 | 63.05 | 91.0 | 32.6 | 15.8 | 2.2 | 3.0 | 0.0 |
| Iowa Hybrid 4297 | --- Iowa Corn & Small Grain Growers Assn., Ames | * | 96.98 | 63.11 | 86.7 | 30.7 | 20.0 | 1.5 | 2.6 | 0.0 |
| PAG 299 | --- Iowa Corn & Small Grain Growers Assn., Ames | * | 96.92 | 62.14 | 91.3 | 31.1 | 15.0 | 4.0 | 2.8 | 0.0 |
| Corn King 114 | --- Malcom H. Grieve, Pierson | 700 | 96.65 | 67.25 | 87.0 | 32.6 | 26.4 | 3.1 | 3.0 | 0.0 |
| PAG 170 | --- Pfister Associated Growers, Inc., Monroe | 18,000 | 96.57 | 63.85 | 89.3 | 32.6 | 21.3 | 0.8 | 3.0 | 0.0 |
| Cornelius C43 | --- Cornelius Hybrid Corn Co., Bellevue | 225 | 96.52 | 61.43 | 92.0 | 32.1 | 15.2 | 1.8 | 2.2 | 0.7 |
| Funk G-45 | --- Funk Bros. Seed Co., Belle Plaine | 2,669 | 95.94 | 59.10 | 86.3 | 32.6 | 11.6 | 1.5 | 3.0 | 0.0 |
| Farmers 427A | --- Iowa Corn & Small Grain Growers Assn., Ames | * | 95.90 | 63.25 | 87.3 | 33.7 | 19.5 | 1.5 | 3.0 | 0.4 |
| Iowa Hybrid 4412 | --- Iowa Crop Improvement Assn., Ames | Comp. | 95.51 | 60.99 | 87.3 | 33.7 | 15.3 | 1.9 | 3.0 | 0.0 |
| U40 | --- United Hybrid Growers Assn., Shenandoah | 7,000 | 95.27 | 59.14 | 83.7 | 32.6 | 12.8 | 2.4 | 2.6 | 0.0 |
| Indiana Hybrid 608C | --- Iowa Crop Improvement Assn., Ames | Comp. | 94.76 | 62.71 | 88.3 | 32.6 | 23.0 | 1.5 | 3.0 | 0.4 |
| Funk 10562 | --- Funk Bros. Seed Co., Belle Plaine | 220 | 94.57 | 63.56 | 88.7 | 32.6 | 25.9 | 0.8 | 3.0 | 1.1 |
| Iowa Hybrid 4537 | --- Agronomy (FC) & U.S.D.A., Ames | 8 lb. | 94.25 | 52.21 | 83.3 | 32.6 | 1.2 | 2.8 | 0.0 | 0.0 |
| 280 | --- Cargill, Inc., Grinnell | 16,000 | 93.22 | 57.62 | 80.0 | 32.1 | 16.3 | 1.7 | 3.0 | 0.8 |
| Iowa Hybrid 306 | --- Iowa Crop Improvement Assn., Ames | Comp. | 92.91 | 61.43 | 89.3 | 32.6 | 24.6 | 1.9 | 2.8 | 1.5 |
| C258 | --- Clarke Hybrid Corn Co., Conrad | 6,165 | 92.27 | 55.39 | 90.7 | 32.1 | 15.1 | 0.7 | 2.6 | 0.4 |
| 5220 | --- J. M. Hunt & Son, Ackley | 55 | 91.63 | 61.84 | 87.3 | 30.7 | 29.8 | 4.2 | 3.0 | 0.4 |
| Heim 600C | --- Heim Hybrid Seed Corn Co., Lake City | 60 | 88.02 | 48.30 | 77.7 | 32.6 | 11.2 | 0.4 | 2.4 | 0.0 |
| | Average of all entries | | | 63.96 | 88.6 | 31.9 | 11.4 | 1.8 | 2.7 | 0.2 |

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 5.72 bushels an acre are not considered significant.

TABLE 18. DISTRICT SEVEN

This table shows the performance of 81 hybrids tested near Mapleton in Crawford County.

Cooperator—Eck Bros. Date planted—May 22, 1951 Date harvested—Nov. 5 and 6, 1951

| Hybrid | Name and address of entrant | Bushels available for planting in 1951 | Performance—1951 score | Acre yield bu.† | Stand pct. | Moist. pct. | Lodging root stalk pct. | Ear ears ht. pct. | Dropt ears pct. |
|--------------------|---|--|------------------------|-----------------|------------|-------------|-------------------------|-------------------|-----------------|
| AES 801 (Ia. 4527) | Agronomy (FC) & U.S.D.A., Ames | 14 lb. | 136.75 | 70.57 | 87.7 | 32.4 | 17.5 | 4.6 | 3.0 |
| Funk G-37 | Funk Bros. Seed Co., Belle Plaine | 7,579 | 121.84 | 60.71 | 86.0 | 29.8 | 20.9 | 10.9 | 3.4 |
| Iowa Hybrid 4535 | Agronomy (FC) & U.S.D.A., Ames | 6 lb. | 118.86 | 44.71 | 70.7 | 30.1 | 15.6 | 2.8 | 0.5 |
| Iowa Hybrid 4581 | Agronomy (FC) & U.S.D.A., Ames | 1,739 | 117.27 | 63.05 | 81.7 | 32.6 | 29.8 | 9.4 | 2.5 |
| Tomahawk 80 | Thompson Hybrid Corn Co., Inc., Belmond | 1,738 | 115.74 | 64.31 | 89.2 | 30.0 | 33.2 | 10.8 | 3.3 |
| C277 | Clarke Hybrid Corn Co., Conrad | 1,738 | 114.14 | 61.00 | 82.7 | 28.8 | 30.2 | 12.9 | 3.0 |
| U59 | United Hybrid Growers Assn., Shenandoah | 7,500 | 113.80 | 55.78 | 79.7 | 32.5 | 28.9 | 6.7 | 3.4 |
| C-25 | Carlson Hybrid Corn Co., Audubon | 100 | 113.29 | 63.80 | 81.3 | 29.1 | 36.4 | 10.8 | 3.0 |
| 825 | W. O. McCurdy & Sons, Fremont | 600 | 111.45 | 54.61 | 73.7 | 31.3 | 29.0 | 9.5 | 1.4 |
| J-24 | Jacobsen Hybrid Corn Co., Lake View | 450 | 110.88 | 58.36 | 82.3 | 29.1 | 33.5 | 6.1 | 3.0 |
| Cornhusker 75 | Cornhusker Hybrid Co., Fremont, Nebr. | 13,500 | 110.71 | 66.12 | 88.0 | 30.3 | 44.3 | 8.7 | 3.0 |
| Cornelius C66 | Cornelius Hybrid Corn Co., Bellevue | 100 | 109.49 | 68.30 | 85.3 | 25.6 | 50.8 | 9.0 | 0.8 |
| 307H | Harper Hardy Hybrids, Vinton | 300 | 109.11 | 60.58 | 81.0 | 28.5 | 44.0 | 5.8 | 3.2 |
| 117M | W. O. McCurdy & Sons, Fremont | 1,100 | 109.01 | 63.12 | 86.0 | 29.7 | 35.3 | 16.7 | 3.0 |
| Iowa Hybrid 4517 | Agronomy (FC) & U.S.D.A., Ames | 10 lb. | 108.95 | 60.65 | 76.7 | 30.7 | 42.6 | 6.1 | 3.2 |
| H-3 | Holden Foundation Hybrids, Williamsburg | 60 | 108.04 | 58.31 | 81.3 | 29.2 | 40.0 | 8.2 | 3.0 |
| Pioneer 301 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 9,442 | 107.85 | 68.35 | 89.3 | 29.1 | 53.4 | 6.3 | 3.0 |
| Iowa Hybrid 4385 | Iowa Crop Improvement Assn., Ames | Comp. | 107.52 | 54.34 | 81.0 | 27.9 | 37.9 | 7.4 | 3.2 |
| Federal 155 | Federal Hybrids, Marion | 1,200 | 106.40 | 59.25 | 78.0 | 29.3 | 38.9 | 12.4 | 2.6 |
| U47A | United Hybrid Growers Assn., Shenandoah | 6,000 | 105.73 | 61.80 | 77.3 | 28.1 | 44.8 | 11.2 | 3.0 |
| Pioneer 339 | Iowa Corn & Small Grain Growers Assn., Ames | * | 105.66 | 56.84 | 83.7 | 32.5 | 35.1 | 12.8 | 2.4 |
| Tomahawk 85 | Thompson Hybrid Corn Co., Inc., Belmond | 1,867 | 105.27 | 61.60 | 79.7 | 30.1 | 35.2 | 19.3 | 5.4 |
| 987M | W. O. McCurdy & Sons, Fremont | 2,000 | 105.15 | 59.25 | 87.7 | 29.7 | 42.6 | 10.3 | 3.2 |
| Moevs 14 | Iowa Corn & Small Grain Growers Assn., Ames | * | 105.03 | 62.09 | 82.3 | 28.8 | 49.0 | 7.7 | 2.8 |
| Ohio Hybrid C92 | Iowa Corn & Small Grain Growers Assn., Ames | * | 104.95 | 58.67 | 89.7 | 32.6 | 44.6 | 6.3 | 3.0 |
| Turner S57 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 104.66 | 55.23 | 73.0 | 30.0 | 38.8 | 10.1 | 3.2 |
| Funk G-60 | Funk Bros. Seed Co., Belle Plaine | 7,590 | 104.46 | 53.19 | 82.0 | 32.6 | 39.0 | 6.5 | 3.0 |
| 57-H | Holden Hybrid Seed Farms, Tipton | 800 | 104.11 | 52.79 | 74.2 | 31.6 | 39.3 | 6.2 | 3.0 |
| U52 | United Hybrid Growers Assn., Shenandoah | 6,000 | 103.94 | 64.20 | 85.7 | 29.4 | 48.3 | 12.1 | 3.0 |
| PAG 392 | Pfister Associated Growers, Inc., Monroe | 6,000 | 103.92 | 59.49 | 86.0 | 30.0 | 40.7 | 13.6 | 3.0 |
| C-22 | Carlson Hybrid Corn Co., Audubon | 1,500 | 102.60 | 63.64 | 83.3 | 32.6 | 46.0 | 13.6 | 3.0 |
| Funk G-54 | Funk Bros. Seed Co., Belle Plaine | 2,522 | 102.11 | 64.57 | 81.7 | 31.6 | 57.6 | 3.7 | 3.0 |
| Maygold 59 | Earl E. May Seed Co., Shenandoah | 3,000 | 101.96 | 55.33 | 85.0 | 29.2 | 42.8 | 11.4 | 3.0 |
| C320 | Clarke Hybrid Corn Co., Conrad | 1,174 | 101.52 | 56.46 | 78.7 | 27.1 | 40.7 | 14.0 | 3.4 |
| W-310 | Wilson Hybrids, Inc., Harlan | 1,000 | 101.01 | 62.46 | 83.3 | 31.3 | 51.2 | 10.0 | 1.2 |
| Farmers 555 | Farmers Hybrid Seed Corn Co., Hampton | 1,800 | 100.52 | 56.67 | 79.7 | 32.6 | 46.9 | 7.5 | 2.8 |
| U.S. Hybrid 35 | Iowa Crop Improvement Assn., Ames | Comp. | 100.04 | 55.48 | 80.8 | 32.4 | 43.3 | 10.8 | 1.0 |
| Helm 609C | Helm Hybrid Seed Corn Co., Lake City | 700 | 99.99 | 63.41 | 82.3 | 30.7 | 57.9 | 6.1 | 3.0 |

| | | | | | | | | | | |
|------------------------|--|---------|-------|-------|------|------|------|------|-----|-----|
| Coppock 52A | Marion Coppock, Ankeny | 700 | 99.95 | 65.93 | 80.3 | 27.0 | 92.7 | 6.2 | 2.8 | 1.7 |
| 77-H | Holden Hybrid Seed Farms, Tipton | 1,500 | 99.35 | 51.16 | 89.3 | 30.9 | 53.4 | 8.6 | 3.0 | 2.2 |
| Iowa Hybrid 4298 | Iowa Crop Improvement Assn., Ames | Comp. | 99.31 | 61.48 | 81.7 | 30.0 | 55.9 | 7.4 | 3.0 | 0.4 |
| Mayfield 49 | Earl E. May Seed Co., Shenandoah | 12,600 | 99.10 | 54.55 | 75.3 | 32.6 | 39.8 | 14.2 | 3.0 | 2.2 |
| PAG 347 | Arthur Walter Seed Co., Grand Ridge, Ill. | 8,000 | 99.05 | 62.81 | 89.7 | 27.7 | 53.2 | 12.6 | 3.0 | 3.4 |
| Pioneer 340 | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.10 | 58.89 | 83.0 | 27.2 | 42.6 | 20.9 | 2.8 | 1.2 |
| Pioneer 300 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 125,000 | 97.89 | 62.49 | 86.7 | 32.6 | 46.2 | 18.5 | 3.0 | 1.5 |
| Pioneer 350B | Iowa Corn & Small Grain Growers Assn., Ames | * | 97.78 | 63.67 | 84.7 | 25.8 | 57.1 | 12.6 | 3.0 | 2.8 |
| PAG 281 | J. M. Hunt & Son, Ackley | 300 | 97.70 | 60.16 | 84.0 | 30.4 | 50.4 | 13.1 | 3.0 | 1.6 |
| Federal 41 | Federal Hybrids, Marion | 50 | 97.45 | 58.24 | 85.3 | 30.1 | 52.7 | 9.0 | 3.0 | 2.3 |
| Pioneer 336 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 10,070 | 97.15 | 54.16 | 80.7 | 32.4 | 41.3 | 14.9 | 3.0 | 2.5 |
| PAG X874 | Newcomer Hybrid Corn Co., N. Henderson, Ill. | 550 | 97.09 | 60.54 | 85.0 | 27.4 | 50.6 | 14.9 | 3.2 | 6.3 |
| Bear OK-50 | Bear Hybrids Corn Co., Decatur, Ill. | 1,000 | 97.08 | 64.39 | 81.7 | 28.5 | 57.6 | 12.7 | 3.0 | 1.2 |
| U49 | United Hybrid Growers Assn., Shenandoah | 6,700 | 96.97 | 52.56 | 80.7 | 31.9 | 44.6 | 10.7 | 3.0 | 0.4 |
| PAG Ek4341 | Pfister Associated Growers, Inc., Aurora, Ill. | 200 | 96.93 | 60.44 | 81.0 | 26.1 | 56.4 | 10.7 | 2.8 | 2.5 |
| CH-58 | Christoffersen & Son, Audubon | 300 | 96.78 | 65.30 | 88.0 | 32.6 | 61.0 | 8.3 | 3.0 | 1.1 |
| Pioneer X6035 | Pioneer Hi-Bred Corn Co., Des Moines | 55 | 96.52 | 61.05 | 79.7 | 28.8 | 59.0 | 8.0 | 3.0 | 1.7 |
| Pioneer 350 | Iowa Corn & Small Grain Growers Assn., Ames | * | 96.47 | 62.51 | 80.7 | 26.7 | 50.0 | 19.8 | 3.0 | 1.7 |
| U53 | United Hybrid Growers Assn., Shenandoah | 150 | 96.27 | 60.39 | 81.3 | 33.8 | 54.9 | 8.6 | 2.8 | 2.5 |
| Funk G-65 | Funk Bros. Seed Co., Belle Plaine | 1,471 | 95.64 | 62.65 | 75.3 | 30.2 | 59.3 | 9.7 | 2.8 | 2.2 |
| PAG 347 | Pfister Associated Growers, Inc., Monroe | 12,000 | 95.42 | 58.02 | 80.3 | 28.7 | 54.4 | 10.8 | 3.0 | 1.2 |
| W-205A | Wilson Hybrids, Inc., Harlan | 3,000 | 95.14 | 64.00 | 83.7 | 30.6 | 59.8 | 11.2 | 3.0 | 2.4 |
| U.S. Hybrid 13 | Iowa Crop Improvement Assn., Ames | Comp. | 93.73 | 56.59 | 77.7 | 32.6 | 45.9 | 17.2 | 3.2 | 3.9 |
| Ohio Hybrid C92 | Iowa State Hybrid Corn Co., Elkhart | 500 | 93.46 | 59.98 | 88.3 | 30.4 | 62.3 | 6.8 | 3.0 | 1.1 |
| Iowa Hybrid 4525 | Agronomy (FC) & U.S.D.A., Ames | 7 lb. | 92.75 | 66.48 | 84.2 | 32.4 | 70.8 | 5.5 | 3.0 | 0.5 |
| 337 | Cargill, Inc., Grinnell | 1,180 | 92.37 | 56.55 | 82.7 | 32.6 | 53.6 | 11.7 | 3.0 | 1.6 |
| Crow Deep Root | Crow Hybrid Corn Co., Nevada | 15,000 | 92.26 | 54.38 | 78.7 | 27.3 | 59.3 | 6.3 | 2.8 | 1.3 |
| ACE 340-N | Eliason Seed Sales, West Liberty | 200 | 91.88 | 58.76 | 80.7 | 31.5 | 55.4 | 12.8 | 3.0 | 7.0 |
| 300A | Cargill Inc., Grinnell | 6,000 | 90.32 | 63.12 | 87.7 | 30.9 | 63.2 | 12.2 | 3.0 | 1.1 |
| Ohio Hybrid C92 | J. H. Isenhardt, Batavia | 1,900 | 90.20 | 57.54 | 87.1 | 30.0 | 63.6 | 7.2 | 3.0 | 1.4 |
| U50 | United Hybrid Growers Assn., Shenandoah | 1,500 | 90.14 | 50.73 | 75.0 | 28.0 | 58.2 | 14.2 | 3.0 | 1.3 |
| Cornhusker 148 | Cornhusker Hybrid Co., Fremont, Nebr. | 37,500 | 89.27 | 61.36 | 79.3 | 30.4 | 68.5 | 7.6 | 3.0 | 1.3 |
| Crow 660 | Crow Hybrid Corn Co., Nevada | 2,500 | 88.66 | 54.90 | 86.7 | 27.1 | 62.7 | 8.9 | 3.0 | 1.2 |
| 333 | Cargill, Inc., Grinnell | 490 | 88.26 | 60.61 | 85.0 | 31.6 | 65.9 | 9.8 | 3.0 | 2.0 |
| Farmers 488 | Iowa Corn & Small Grain Growers Assn., Ames | * | 86.68 | 53.02 | 78.3 | 32.6 | 61.7 | 6.8 | 2.8 | 3.8 |
| Pioneer 300 | Pioneer Hi-Bred Corn Co., Des Moines | 5,700 | 86.10 | 59.23 | 77.2 | 32.4 | 64.8 | 12.2 | 3.0 | 0.7 |
| Iowa Hybrid 4297 | Iowa Corn & Small Grain Growers Assn., Ames | * | 85.99 | 58.25 | 78.7 | 28.6 | 64.8 | 14.0 | 2.6 | 0.0 |
| DeKalb 627 | Iowa Corn & Small Grain Growers Assn., Ames | * | 85.16 | 63.02 | 86.7 | 28.6 | 76.2 | 8.5 | 2.8 | 0.8 |
| Farmers 509 | Farmers Hybrid Seed Corn Co., Hampton | 1,800 | 83.99 | 55.37 | 79.3 | 32.6 | 65.6 | 10.1 | 3.0 | 2.1 |
| PAG Ek4506 | Associated Pfister Growers, Inc., Davenport | 350 | 83.12 | 55.56 | 74.3 | 29.2 | 68.9 | 13.5 | 2.8 | 2.7 |
| PAG 170 | Associated Pfister Growers, Inc., Davenport | 2,000 | 82.10 | 53.29 | 79.0 | 31.3 | 68.4 | 13.5 | 3.0 | 0.8 |
| Pioneer 335 | Iowa Corn & Small Grain Growers Assn., Ames | * | 80.51 | 85.3 | 30.7 | 73.8 | 13.3 | 3.0 | 2.0 | |
| Pioneer 335 | Pioneer Hi-Bred Corn Co., Des Moines | 38,700 | 76.42 | 56.35 | 78.7 | 30.9 | 78.4 | 8.9 | 3.0 | 1.7 |
| Average of all entries | | | | | | | | | | |
| 80.1 | | | | | | | | | | |

* Widely grown hybrids as determined by a survey of farmers.
 † Differences in yield between any two entries of less than 8.21 bushels an acre are not considered significant.

TABLE 19. DISTRICT EIGHT

This table shows the performance of 81 hybrids tested near Slater in Story County.
 Date planted—May 23 and 24, 1951 Date harvested—Nov. 1 and 2, 1951

Cooperator—Gilbert Winkelmann

| Hybrid | Name and address of entrant | Bushels available for plant-ing in 1951 | Perform-ance score | Acres yield bu.† | Stand pct. | Moist. pct. | Lodging root pct. | Ear stalk ht. | Drop'd ears pct. |
|--------------------|--|---|--------------------|------------------|------------|-------------|-------------------|---------------|------------------|
| C-25 | Carlson Hybrid Corn Co., Audubon | 100 | 108.28 | 84.56 | 92.5 | 22.4 | 0.9 | 0.0 | 2.6 |
| PAG Tex4341 | Pfister Associated Growers, Inc., Aurora, Ill. | 260 | 107.87 | 84.37 | 93.8 | 22.4 | 0.9 | 1.3 | 0.4 |
| Iowa Hybrid 4525 | Agronomy (FC) & U.S.D.A., Ames | 71b. | 106.35 | 83.24 | 94.3 | 22.1 | 0.6 | 0.6 | 2.5 |
| PAG 392 | Pfister Associated Growers, Inc., Monroe | 6,000 | 105.84 | 80.72 | 95.4 | 22.1 | 0.4 | 0.9 | 0.4 |
| Moews 14 | Iowa Corn & Small Grain Growers Assn., Ames | * | 105.55 | 80.38 | 93.8 | 20.1 | 0.4 | 3.6 | 2.4 |
| Bear OK-50 | Bear Hybrids Corn Co., Decatur, Ill. | 1,000 | 105.30 | 80.86 | 92.5 | 23.6 | 0.0 | 1.4 | 2.2 |
| AES 801 (1a, 4527) | Agronomy (FC) & U.S.D.A., Ames | 14 lb. | 105.28 | 81.69 | 94.6 | 25.8 | 0.0 | 0.4 | 2.2 |
| Iowa Hybrid 4517 | Agronomy (FC) & U.S.D.A., Ames | 10 lb. | 105.22 | 81.51 | 94.2 | 25.8 | 0.0 | 0.4 | 2.6 |
| Coppock 52A | Marion Coppock, Ankeny | 700 | 104.57 | 79.56 | 93.8 | 22.4 | 0.0 | 2.7 | 2.2 |
| Federal 41 | Federal Hybrids, Marion | 50 | 104.31 | 79.24 | 93.8 | 22.4 | 1.1 | 1.7 | 3.0 |
| 307H | Harper Hardy Hybrids, Vinton | 300 | 104.10 | 78.86 | 91.3 | 22.7 | 0.5 | 1.8 | 2.6 |
| Tomahawk 85 | Thompson Hybrid Corn Co., Inc., Belmond | 1,887 | 104.04 | 80.32 | 93.8 | 22.4 | 0.0 | 5.8 | 3.0 |
| PAG X874 | Newcomer Hybrid Corn Co., N. Henderson, Ill. | 550 | 103.95 | 78.91 | 94.3 | 22.2 | 0.0 | 3.3 | 3.0 |
| Pioneer X6035 | Pioneer Hi-Bred Corn Co., Des Moines | 85 | 103.69 | 78.76 | 94.6 | 23.6 | 1.7 | 0.6 | 2.3 |
| Tomahawk 80 | Thompson Hybrid Corn Co., Inc., Belmond | 1,799 | 103.42 | 78.99 | 94.6 | 25.1 | 0.0 | 1.8 | 2.8 |
| 233 | Cargill, Inc., Grinnell | 490 | 103.16 | 79.19 | 93.8 | 23.6 | 0.0 | 4.0 | 3.0 |
| Pioneer 335 | Pioneer Hi-Bred Corn Co., Des Moines | 38,700 | 103.10 | 78.96 | 95.4 | 25.8 | 0.0 | 1.8 | 3.0 |
| Pioneer 335 | Iowa Corn & Small Grain Growers Assn., Ames | * | 103.08 | 79.09 | 93.8 | 24.0 | 1.3 | 3.1 | 2.6 |
| 77-H | Holden Hybrid Seed Farms, Tipton | 1,500 | 103.06 | 78.54 | 92.1 | 26.0 | 0.0 | 3.1 | 3.0 |
| Iowa Hybrid 4531 | Agronomy (FC) & U.S.D.A., Ames | 6 lb. | 103.01 | 78.91 | 92.1 | 26.4 | 0.0 | 0.9 | 2.8 |
| J-24 | Jacobsen Hybrid Corn Co., Lake View | 450 | 102.91 | 78.29 | 95.0 | 24.3 | 0.0 | 2.6 | 2.2 |
| Heim 609C | Heim Hybrid Seed Corn Co., Lake City | 700 | 102.65 | 77.86 | 90.8 | 24.3 | 0.0 | 2.8 | 2.2 |
| W-205A | Wilson Hybrids, Inc., Harlan | 3,000 | 102.47 | 77.52 | 96.7 | 23.6 | 0.9 | 2.6 | 2.4 |
| PAG 347 | Arthur Walter Seed Co., Grand Ridge, Ill. | 3,000 | 102.34 | 77.11 | 93.8 | 23.0 | 0.0 | 3.6 | 2.4 |
| Iowa Hybrid 4298 | Iowa Crop Improvement Assn., Ames | Comp. | 102.28 | 73.52 | 95.8 | 22.7 | 0.0 | 0.9 | 2.4 |
| Crow Deep Root | Crow Hybrid Corn Co., Nevada | 15,000 | 101.84 | 73.44 | 93.8 | 19.8 | 0.0 | 1.3 | 2.0 |
| Funk G-65 | Funk Bros. Seed Co., Belle Plaine | 1,471 | 101.82 | 77.56 | 92.1 | 24.3 | 0.0 | 4.5 | 2.4 |
| Pioneer 300 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 125,000 | 101.76 | 78.38 | 91.7 | 26.4 | 0.0 | 4.0 | 3.0 |
| Iowa Hybrid 4385 | Iowa Crop Improvement Assn., Ames | Comp. | 101.58 | 74.81 | 93.3 | 22.4 | 0.0 | 1.8 | 3.0 |
| 825 | W. O. McCurdy & Sons, Fremont | 600 | 101.55 | 77.06 | 94.6 | 25.8 | 0.9 | 1.3 | 2.8 |
| Ohio Hybrid C92 | Iowa State Hybrid Corn Co., Elkhart | 500 | 101.31 | 75.16 | 94.3 | 24.0 | 0.0 | 1.7 | 3.0 |
| Pioneer 339 | Iowa Corn & Small Grain Growers Assn., Ames | * | 101.00 | 75.70 | 91.7 | 21.6 | 0.0 | 6.3 | 2.8 |
| Pioneer 350B | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.90 | 74.69 | 91.7 | 21.9 | 1.4 | 3.2 | 2.6 |
| Iowa Hybrid 4297 | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.86 | 72.77 | 92.7 | 20.1 | 0.0 | 2.8 | 2.3 |
| Cornhusker 148 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 37,500 | 100.53 | 76.22 | 90.8 | 23.6 | 4.6 | 2.3 | 2.8 |
| 300A | Cargill, Inc., Grinnell | 6,000 | 100.52 | 75.10 | 90.8 | 23.0 | 2.3 | 2.8 | 2.2 |
| U52 | United Hybrid Growers Assn., Shenandoah | 6,000 | 100.48 | 75.46 | 95.8 | 22.3 | 0.0 | 7.1 | 2.8 |
| Luc-Kath 627 | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.44 | 74.49 | 91.3 | 22.0 | 0.9 | 4.6 | 2.0 |

| | | | | | | | | | | |
|---------------------------------------|---|--------|--------|-------|------|------|-----|-----|-----|-----|
| PAG 347 | Pfister Associated Growers, Inc., Monroe | 12,000 | 100.44 | 73.62 | 90.8 | 20.7 | 0.9 | 4.1 | 2.0 | 0.5 |
| ACE 340-N | Eliason Seed Sales, West Liberty | 200 | 99.90 | 75.11 | 88.8 | 24.3 | 2.4 | 3.3 | 3.0 | 0.0 |
| Turner S57 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 99.43 | 73.25 | 85.9 | 25.8 | 1.2 | 4.0 | 3.0 | 0.0 |
| Pioneer 301 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 9,442 | 99.28 | 74.32 | 90.8 | 26.4 | 0.0 | 3.2 | 2.2 | 0.0 |
| Ohio Hybrid C92 | Iowa Corn & Small Grain Growers Assn., Ames | 3,000 | 99.27 | 73.27 | 92.1 | 25.1 | 0.0 | 2.7 | 2.8 | 0.0 |
| Maygold 59 | Earl E. May Seed Co., Shenandoah | 2,500 | 99.25 | 72.36 | 92.5 | 24.3 | 0.0 | 1.4 | 3.0 | 0.9 |
| Crow 660 | Crow Hybrid Corn Co., Nevada | 2,500 | 99.12 | 70.85 | 90.4 | 22.0 | 0.5 | 1.4 | 2.4 | 0.0 |
| Pioneer 350 | Iowa Corn & Small Grain Growers Assn., Ames | * | 99.02 | 71.97 | 93.3 | 21.6 | 0.5 | 4.5 | 2.2 | 0.5 |
| Funk G-37 | Funk Bros. Seed Co., Belle Plaine | 7,579 | 98.90 | 72.73 | 92.7 | 25.8 | 2.3 | 1.7 | 3.0 | 0.0 |
| 17M | W. O. McCurdy & Sons, Fremont | 1,100 | 98.87 | 72.39 | 95.4 | 24.0 | 0.0 | 3.1 | 2.6 | 0.9 |
| Pioneer 340 | Iowa Corn & Small Grain Growers Assn., Ames | 1,200 | 98.71 | 72.13 | 94.8 | 23.6 | 0.9 | 2.8 | 2.0 | 0.5 |
| Federal 155 | Federal Hybrids, Marion | 1,200 | 98.67 | 73.03 | 91.3 | 25.1 | 0.0 | 3.7 | 2.6 | 0.0 |
| U. S. Hybrid 35 | Iowa Crop Improvement Assn., Ames | Comp. | 98.54 | 73.60 | 93.2 | 23.0 | 2.8 | 5.6 | 2.5 | 0.0 |
| C-22 | Carlson Hybrid Corn Co., Audubon | 1,500 | 98.53 | 73.16 | 92.9 | 24.3 | 0.0 | 5.4 | 2.8 | 0.9 |
| Farmers 555 | Farmers Hybrid Seed Corn Co., Hampton | 1,800 | 98.46 | 72.30 | 89.6 | 24.3 | 0.5 | 3.3 | 2.6 | 0.9 |
| C277 | Clarke Hybrid Corn Co., Conrad | 1,738 | 98.43 | 71.68 | 93.8 | 21.9 | 0.0 | 5.8 | 2.2 | 0.4 |
| U47A | United Hybrid Growers Assn., Shenandoah | 6,000 | 98.40 | 71.15 | 93.8 | 22.3 | 1.3 | 3.1 | 2.4 | 0.0 |
| W-310 | Wilson Hybrids, Inc., Harlan | 1,000 | 98.24 | 72.64 | 92.5 | 24.0 | 1.4 | 4.5 | 2.2 | 0.5 |
| H-3 | Holden Foundation Hybrids, Williamsburg | 60 | 98.16 | 70.71 | 90.6 | 24.3 | 0.0 | 1.7 | 2.8 | 0.0 |
| Pioneer 300 | Pioneer Hi-Bred Corn Co., Des Moines | 5,700 | 97.97 | 74.87 | 96.7 | 28.8 | 0.4 | 5.2 | 3.0 | 0.0 |
| Ohio Hybrid C92 | J. H. Isenhardt, Batavia | 1,900 | 97.85 | 71.89 | 87.5 | 25.8 | 2.4 | 1.0 | 2.6 | 0.0 |
| Comhusker 75 | Comhusker Hybrid Corn Co., Fremont, Nebr. | 13,500 | 97.81 | 71.39 | 92.7 | 22.4 | 1.7 | 4.5 | 2.8 | 1.1 |
| U59 | United Hybrid Growers Assn., Shenandoah | 7,500 | 97.81 | 74.03 | 92.5 | 27.9 | 0.5 | 5.0 | 3.0 | 0.0 |
| Maygold 49 | Earl E. May Seed Co., Shenandoah | 12,600 | 97.73 | 71.29 | 84.8 | 25.8 | 0.0 | 2.5 | 2.5 | 0.0 |
| PAG 170 | Associated Pfister Growers, Inc., Davenport | 2,000 | 97.70 | 71.11 | 93.8 | 25.1 | 0.0 | 3.1 | 2.8 | 0.0 |
| U53 | United Hybrid Growers Assn., Shenandoah | 150 | 97.64 | 72.09 | 85.9 | 26.4 | 2.4 | 1.2 | 2.8 | 0.0 |
| 57-H | Holden Hybrid Seed Farms, Tipton | 800 | 97.51 | 72.67 | 94.2 | 27.7 | 1.8 | 1.8 | 2.4 | 0.4 |
| PAG Ex4506 | Associated Pfister Growers, Inc., Davenport | 350 | 97.33 | 72.07 | 92.5 | 25.8 | 0.9 | 4.5 | 2.2 | 0.0 |
| 987M | W. O. McCurdy & Sons, Fremont | 2,000 | 97.00 | 70.73 | 91.7 | 24.0 | 1.4 | 4.6 | 2.6 | 0.0 |
| CH-58 | Christoffersen & Son, Audubon | 300 | 96.92 | 71.00 | 94.2 | 25.8 | 0.4 | 3.5 | 2.6 | 0.9 |
| Funk G-54 | Funk Bros. Seed Co., Belle Plaine | 2,522 | 96.78 | 71.35 | 92.7 | 25.8 | 2.3 | 2.8 | 2.5 | 1.1 |
| Cornelius C66 | Cornelius Hybrid Corn Co., Bellevue | 100 | 96.52 | 69.93 | 92.5 | 25.8 | 0.0 | 3.2 | 2.6 | 0.5 |
| Pioneer 336 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 10,070 | 96.32 | 71.26 | 92.5 | 26.4 | 1.4 | 4.5 | 3.0 | 0.5 |
| U49 | United Hybrid Growers Assn., Shenandoah | 6,700 | 96.30 | 69.18 | 91.3 | 25.1 | 0.9 | 2.3 | 3.0 | 0.5 |
| PAG 281 | J. M. Hunt & Son, Ackley | 300 | 96.28 | 68.45 | 87.5 | 24.3 | 0.0 | 2.9 | 2.4 | 0.0 |
| C320 | Clarke Hybrid Corn Co., Conrad | 1,174 | 95.23 | 66.98 | 89.6 | 24.0 | 0.0 | 3.5 | 2.5 | 0.0 |
| Funk G-60 | Funk Bros. Seed Co., Belle Plaine | 7,590 | 95.01 | 68.46 | 93.3 | 25.1 | 0.9 | 4.9 | 3.0 | 0.5 |
| U50 | United Hybrid Growers Assn., Shenandoah | 1,500 | 94.64 | 66.82 | 88.3 | 23.3 | 0.0 | 5.7 | 2.8 | 0.5 |
| Farmers 488 | Iowa Corn & Small Grain Growers Assn., Ames | * | 94.34 | 66.03 | 89.1 | 26.4 | 0.6 | 0.6 | 2.5 | 0.0 |
| U. S. Hybrid 13 | Iowa Crop Improvement Assn., Ames | Comp. | 94.16 | 68.63 | 83.8 | 26.7 | 0.0 | 6.5 | 3.0 | 1.0 |
| Farmers 509 | Farmers Hybrid Seed Corn Co., Hampton | 1,800 | 94.00 | 69.73 | 88.8 | 28.2 | 3.3 | 4.7 | 3.0 | 0.0 |
| 337 | Cargill, Inc., Grinnell | 1,180 | 91.10 | 62.34 | 87.5 | 27.4 | 0.5 | 1.9 | 2.6 | 0.0 |
| Iowa Hybrid 4535 | Agronomy (FC) & U.S.D.A., Ames | 6 lb. | 85.89 | 55.15 | 87.5 | 26.4 | 1.8 | 3.0 | 2.0 | 0.0 |
| Average of all entries | | | | | | | | | | |
| 85.89 55.15 87.5 26.4 1.8 3.0 2.0 0.0 | | | | | | | | | | |
| 74.35 92.2 24.2 0.7 2.9 2.6 0.0 | | | | | | | | | | |

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 7.38 bushels an acre are not considered significant.

TABLE 20. DISTRICT NINE

This table shows the performance of 81 hybrids tested near Durant in Cedar County.
 Date planted—May 17, 1951
 Date harvested—Oct. 29 and 30, 1951

Cooperator—Lyle Chapman

| Hybrid | Name and address of entrant | Bushels available for planting in 1951 | Perform-ance score | Acre yield bu.† | Stand pct. | Moist. pct. | Lodging root pct. | Ear stalk ht. | Drop'd ears pct. |
|--------------------|--|--|--------------------|-----------------|------------|-------------|-------------------|---------------|------------------|
| Pioneer X6035 | Pioneer Hi-Bred Corn Co., Des Moines. | 55 | 110.71 | 104.89 | 87.7 | 27.7 | 13.7 | 6.1 | 3.0 |
| PAG Ex4341 | Pfister Associated Growers, Inc., Aurora, Ill. | 200 | 109.97 | 96.09 | 89.0 | 25.8 | 3.4 | 7.5 | 3.0 |
| C-25 | Cornhusker Hybrid Corn Co., Audubon. | 100 | 109.19 | 98.28 | 88.7 | 26.4 | 1.1 | 13.9 | 3.6 |
| Pioneer 301 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 9,442 | 109.18 | 98.73 | 92.7 | 28.8 | 6.5 | 10.4 | 3.8 |
| Iowa Hybrid 4517 | Agronomy (FC) & U.S.D.A., Ames | 10 lb. | 108.33 | 99.72 | 85.3 | 28.2 | 7.0 | 10.2 | 3.6 |
| AES 801 (Ia. 4527) | Agronomy (FC) & U.S.D.A., Ames | 14 lb. | 108.33 | 91.62 | 87.0 | 29.4 | 0.4 | 5.0 | 0.4 |
| Cornhusker 148 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 37,500 | 108.33 | 94.46 | 81.3 | 25.8 | 2.5 | 9.8 | 3.2 |
| Bear OK-50 | Bear Hybrids Corn Co., Decatur, Ill. | 1,000 | 107.94 | 99.65 | 86.7 | 28.8 | 5.4 | 12.7 | 3.6 |
| Ohio Hybrid C92 | Iowa Corn & Small Grain Growers Assn., Ames | * | 107.80 | 96.42 | 90.3 | 25.1 | 6.6 | 11.1 | 3.8 |
| Tomahawk 80 | Thompson Hybrid Corn Co., Inc., Belmond | 1,799 | 107.74 | 96.33 | 91.3 | 27.1 | 2.2 | 12.4 | 3.4 |
| 987M | W. O. McCurdy & Sons, Fremont | 2,000 | 107.67 | 95.20 | 87.7 | 25.8 | 3.0 | 12.6 | 4.0 |
| Cornelius C66 | Cornelius Hybrid Corn Co., Bellevue | 100 | 106.33 | 86.52 | 91.3 | 26.6 | 2.6 | 19.7 | 3.2 |
| Federal 155 | Federal Hybrids, Marion | 1,200 | 106.31 | 96.52 | 94.0 | 25.4 | 1.1 | 19.9 | 3.6 |
| 117M | W. O. McCurdy & Sons, Fremont | 1,100 | 105.79 | 95.08 | 89.0 | 25.4 | 4.1 | 16.5 | 3.8 |
| U47A | United Hybrid Growers Assn., Shenandoah | 6,000 | 105.09 | 95.37 | 91.3 | 24.7 | 6.2 | 17.2 | 3.6 |
| 825 | W. O. McCurdy & Sons, Fremont | 600 | 104.87 | 89.89 | 90.3 | 26.4 | 1.9 | 12.6 | 3.8 |
| 307H | Harper Hardy Hybrids, Vinton | 300 | 104.36 | 96.35 | 91.7 | 25.0 | 16.4 | 9.8 | 3.6 |
| U. S. Hybrid 13 | Iowa Crop Improvement Assn., Ames | Comp. | 103.38 | 94.38 | 88.0 | 27.7 | 12.1 | 9.5 | 4.0 |
| Ohio Hybrid C92 | Iowa State Hybrid Corn Co., Elkhart | 500 | 103.38 | 92.66 | 85.0 | 27.4 | 3.9 | 15.7 | 4.0 |
| U. S. Hybrid 35 | Iowa Crop Improvement Assn., Ames | Comp. | 103.80 | 89.06 | 89.7 | 27.1 | 2.6 | 12.6 | 3.8 |
| Ohio Hybrid C92 | J. H. Isenhardt, Batavia | 1,900 | 103.60 | 91.56 | 84.0 | 26.4 | 3.6 | 16.3 | 3.8 |
| W-310 | Wilson Hybrids, Inc., Harlan | 1,000 | 103.58 | 92.78 | 83.3 | 25.8 | 3.2 | 18.4 | 3.4 |
| Copcock 52A | Marion Copcock, Ankeny | 700 | 103.23 | 98.63 | 90.3 | 24.3 | 12.6 | 20.3 | 3.0 |
| J-24 | Jacobsen Hybrid Corn Co., Lake View | 450 | 103.22 | 93.81 | 87.3 | 27.9 | 15.7 | 6.9 | 3.2 |
| U53 | United Hybrid Growers Assn., Shenandoah | 150 | 103.06 | 88.27 | 84.0 | 27.9 | 4.8 | 10.3 | 3.2 |
| U52 | United Hybrid Growers Assn., Shenandoah | 6,000 | 102.90 | 90.80 | 88.3 | 24.7 | 7.2 | 15.1 | 3.4 |
| PAG 347 | Arthur Walter Seed Co., Grand Ridge, Ill. | 8,000 | 102.36 | 89.78 | 91.0 | 24.7 | 2.9 | 19.4 | 3.0 |
| Cornhusker 75 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 13,500 | 102.26 | 90.36 | 80.0 | 26.4 | 5.2 | 16.3 | 3.4 |
| Maygold 49 | Earl E. May Seed Co., Shenandoah | 12,600 | 102.20 | 89.59 | 83.0 | 26.1 | 0.4 | 20.5 | 4.0 |
| Pioneer 850B | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.10 | 95.37 | 87.3 | 24.0 | 11.1 | 21.4 | 3.4 |
| W-205A | Wilson Hybrids, Inc., Harlan | 3,000 | 102.00 | 94.61 | 91.0 | 27.4 | 10.6 | 16.5 | 3.4 |
| Funk G-54 | Funk Bros. Seed Co., Belle Plaine | 2,522 | 101.80 | 86.56 | 86.3 | 27.4 | 1.2 | 14.7 | 3.0 |
| Federal 41 | Federal Hybrids, Marion | 50 | 101.76 | 84.21 | 80.0 | 26.4 | 2.9 | 11.3 | 3.4 |
| Turner S57 | Turner Hybrid Seed Corn Co., Grand Junction | 4,000 | 101.76 | 91.17 | 87.0 | 27.4 | 3.5 | 19.2 | 3.8 |
| Crow Deep Root | Crow Hybrid Corn Co., Nevada | 15,000 | 101.41 | 80.06 | 83.0 | 23.6 | 5.6 | 6.8 | 3.2 |
| PAG 392 | Pfister Associated Growers, Inc., Monroe | 6,000 | 101.27 | 88.33 | 85.0 | 24.7 | 8.6 | 14.1 | 3.4 |
| C920 | Clarke Hybrid Corn Co., Conrad | 1,174 | 101.17 | 84.87 | 82.7 | 24.3 | 2.4 | 16.1 | 3.4 |
| C977 | Clarke Hybrid Corn Co., Conrad | 1,738 | 100.95 | 79.93 | 82.3 | 25.1 | 2.4 | 8.9 | 3.6 |

| U59 | United Hybrid Growers Assn., Shenandoah | 7,500 | 100.87 | 86.69 | 86.7 | 27.7 | 1.9 | 16.5 | 3.8 | 1.2 |
|------------------|--|---------|--------|--------|------|------|------|------|-----|-----|
| CH-58 | Christoffersen & Son, Audubon | 300 | 100.70 | 89.10 | 79.7 | 28.2 | 4.2 | 17.6 | 3.0 | 0.8 |
| Farmers 555 | Farmers Hybrid Seed Corn Co., Hampton | 1,800 | 100.64 | 86.08 | 82.7 | 26.1 | 1.6 | 18.6 | 3.6 | 0.0 |
| Pioneer 300 | Pioneer Hi-Bred Corn Co., Des Moines | 5,700 | 100.28 | 100.62 | 91.0 | 25.8 | 11.4 | 30.0 | 4.0 | 0.4 |
| 333 | Cargill, Inc., Grinnell | 490 | 100.14 | 94.47 | 88.7 | 27.9 | 15.0 | 16.2 | 3.6 | 0.0 |
| Iowa Hybrid 4551 | Agronomy (FC) & U.S.D.A., Ames | 6 lb. | 99.92 | 89.39 | 86.3 | 27.7 | 4.3 | 20.5 | 3.8 | 0.8 |
| U50 | United Hybrid Growers Assn., Shenandoah | 1,500 | 99.32 | 76.27 | 70.7 | 22.3 | 6.6 | 7.1 | 3.4 | 0.0 |
| Iowa Hybrid 4385 | Iowa Crop Improvement Assn., Ames | Comp. | 99.11 | 79.82 | 77.7 | 25.8 | 2.2 | 13.3 | 3.8 | 0.4 |
| Pioneer 300 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 125,000 | 98.73 | 98.36 | 88.7 | 25.8 | 15.8 | 26.3 | 3.8 | 0.4 |
| Tomahawk 85 | Funk Bros. Seed Co., Belle Plaine | 1,471 | 98.50 | 85.20 | 81.0 | 24.3 | 4.5 | 21.4 | 3.4 | 0.4 |
| Pioneer 339 | Thompson Hybrid Corn Co., Inc., Belmond | 1,867 | 98.35 | 90.67 | 86.3 | 25.8 | 5.4 | 26.3 | 3.6 | 2.3 |
| | Iowa Corn & Small Grain Growers Assn., Ames | * | 98.28 | 85.3 | 85.3 | 25.8 | 13.7 | 15.2 | 3.4 | 0.8 |
| PAG 347 | Pfister Associated Growers, Inc., Monroe | 12,000 | 98.27 | 79.08 | 77.3 | 23.6 | 6.9 | 11.6 | 3.0 | 0.9 |
| Pioneer 336 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 10,070 | 98.18 | 86.85 | 83.3 | 27.1 | 6.0 | 19.9 | 4.0 | 1.2 |
| Heim 609C | Heim Hybrid Seed Corn Co., Lake City | 700 | 97.92 | 90.40 | 92.3 | 27.1 | 12.3 | 19.1 | 3.0 | 1.4 |
| 77-H | Holden Hybrid Seed Farms, Tipton | 1,500 | 97.87 | 93.46 | 89.0 | 25.8 | 8.2 | 29.2 | 3.8 | 0.4 |
| Maygold 59 | Earl E. May Seed Co., Shenandoah | 3,000 | 97.08 | 80.62 | 85.3 | 26.4 | 2.7 | 13.4 | 3.8 | 0.0 |
| Funk G-37 | Funk Bros. Seed Co., Belle Plaine | 7,579 | 97.04 | 83.24 | 82.3 | 27.1 | 2.0 | 21.9 | 3.8 | 0.8 |
| C-22 | Carlson Hybrid Corn Co., Audubon | 1,500 | 97.03 | 85.37 | 86.3 | 26.8 | 5.4 | 21.6 | 3.6 | 1.2 |
| Pioneer 335 | Iowa Corn & Small Grain Growers Assn., Ames | * | 96.92 | 97.95 | 87.3 | 26.8 | 34.4 | 10.7 | 3.9 | 0.4 |
| Pioneer 350 | Iowa Corn & Small Grain Growers Assn., Ames | * | 96.25 | 90.82 | 88.3 | 23.6 | 12.8 | 27.2 | 3.8 | 0.4 |
| 57-H | Holden Hybrid Seed Farms, Tipton | 800 | 96.21 | 76.90 | 88.0 | 28.5 | 8.3 | 6.8 | 3.2 | 2.3 |
| Pioneer 335 | Pioneer Hi-Bred Corn Co., Des Moines | 38,700 | 96.14 | 96.25 | 88.3 | 27.4 | 30.2 | 14.0 | 3.4 | 0.0 |
| U49 | United Hybrid Growers Assn., Shenandoah | 6,700 | 96.11 | 81.50 | 86.3 | 26.4 | 7.0 | 17.8 | 3.8 | 0.0 |
| Iowa Hybrid 4525 | Agronomy (FC) & U.S.D.A., Ames | 7 lb. | 95.80 | 93.66 | 87.7 | 27.9 | 14.5 | 26.2 | 3.2 | 0.4 |
| H-3 | Holden Foundation Hybrids, Williamsburg | 60 | 95.71 | 79.79 | 78.0 | 27.6 | 5.6 | 16.2 | 4.0 | 0.9 |
| PAG Ex4506 | Associated Pfister Growers, Inc., Davenport | 350 | 95.69 | 88.31 | 92.7 | 27.1 | 7.6 | 27.7 | 3.0 | 0.4 |
| Iowa Hybrid 4298 | Iowa Crop Improvement Assn., Ames | Comp. | 95.69 | 88.35 | 88.3 | 25.8 | 12.5 | 23.0 | 3.2 | 1.1 |
| Pioneer 340 | Iowa Corn & Small Grain Growers Assn., Ames | * | 95.50 | 79.35 | 81.7 | 25.8 | 2.5 | 20.8 | 3.2 | 1.6 |
| PAG X874 | Newcomer Hybrid Corn Co., N. Henderson, Ill. | 550 | 94.43 | 87.67 | 87.7 | 25.8 | 10.7 | 27.0 | 3.8 | 1.1 |
| PAG 170 | Associated Pfister Growers, Inc., Davenport | 2,000 | 94.26 | 84.98 | 85.3 | 25.8 | 13.7 | 21.1 | 3.4 | 0.0 |
| Farmers 488 | Iowa Corn & Small Grain Growers Assn., Ames | * | 94.12 | 87.79 | 87.3 | 27.4 | 13.7 | 23.7 | 3.8 | 0.0 |
| Iowa Hybrid 4535 | Agronomy (FC) & U.S.D.A., Ames | 6 lb. | 93.80 | 67.86 | 81.7 | 28.2 | 2.0 | 7.4 | 3.2 | 0.8 |
| Dekalb 627 | Iowa Corn & Small Grain Growers Assn., Ames | * | 93.72 | 87.58 | 87.7 | 24.3 | 15.6 | 25.5 | 3.0 | 0.4 |
| Crow 660 | Crow Hybrid Corn Co., Nevada | 2,500 | 93.49 | 81.96 | 84.7 | 25.1 | 11.0 | 22.1 | 3.6 | 0.4 |
| Funk G-60 | Funk Bros. Seed Co., Belle Plaine | 7,590 | 93.01 | 79.14 | 84.7 | 27.7 | 13.8 | 13.8 | 3.8 | 0.8 |
| Iowa Hybrid 4297 | Iowa Corn & Small Grain Growers Assn., Ames | * | 92.40 | 79.73 | 86.3 | 26.4 | 17.0 | 14.3 | 3.0 | 0.4 |
| 300A | Cargill, Inc., Grinnell | 6,000 | 91.19 | 80.51 | 87.7 | 28.2 | 2.7 | 30.0 | 3.0 | 2.7 |
| ACEF 340-N | Elison Seed Sales, West Liberty | 200 | 90.37 | 94.09 | 86.0 | 25.8 | 11.6 | 45.0 | 3.8 | 1.2 |
| 337 | Cargill, Inc., Grinnell | 1,180 | 88.90 | 80.34 | 86.3 | 27.9 | 14.3 | 24.7 | 3.6 | 1.2 |
| Moews 14 | Iowa Corn & Small Grain Growers Assn., Ames | * | 88.61 | 83.67 | 86.7 | 25.1 | 15.8 | 31.9 | 3.6 | 0.0 |
| PAG 281 | J. M. Hunt & Son, Ackley | 300 | 87.94 | 83.49 | 87.7 | 24.0 | 14.8 | 35.4 | 3.8 | 0.0 |
| Farmers 509 | Farmers Hybrid Seed Corn Co., Hampton | 1,800 | 85.10 | 85.23 | 86.7 | 27.4 | 18.9 | 36.9 | 3.8 | 1.2 |
| | Average of all entries | | | 89.26 | 86.4 | 26.3 | 8.0 | 17.7 | 3.5 | 0.8 |

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 9.40 bushels an acre are not considered significant.

TABLE 21. DISTRICT ELEVEN

This table shows the performance of 64 hybrids tested near Creston in Union County.
 Cooperators—Ed. Hanrahan and Gene Dunphy Date planted—May 18, 1951 Date harvested—Oct. 25 and 26, 1951

| Hybrid | Name and address of entrant | Bushels available for planting in 1951 | Performance score | Acre yield bu.† | Stand pct. | Moist. pct. | Lodging root pct. | Stalk ht. | Ear ht. | Drop'd ears pct. |
|--------------------|---|--|-------------------|-----------------|------------|-------------|-------------------|-----------|---------|------------------|
| Pear OK-89 | Bear Hybrids Corn Co., Decatur, Ill. | 500 | 109.35 | 86.28 | 93.1 | 26.6 | 3.6 | 6.0 | 3.2 | 0.6 |
| Maygold 59A | Earl E. May Seed Co., Shenandoah | 19,000 | 108.79 | 84.33 | 91.7 | 23.4 | 2.7 | 8.2 | 3.2 | 0.9 |
| C318 | Clarke Hybrid Corn Co., Conrad | 167 | 106.72 | 84.72 | 96.7 | 21.9 | 4.3 | 13.8 | 3.0 | 0.3 |
| PAG Ex4343 | Pfister Associated Growers, Inc., Monroe | 1,200 | 106.23 | 87.04 | 93.6 | 21.4 | 13.1 | 10.4 | 3.0 | 0.3 |
| Maygold 50A | Earl E. May Seed Co., Shenandoah | 60 | 105.33 | 84.43 | 91.4 | 24.8 | 3.0 | 14.3 | 2.8 | 0.0 |
| Isenhart 141 | J. H. Isenhart, Batavia | 250 | 105.71 | 90.84 | 95.3 | 25.2 | 14.0 | 12.8 | 3.0 | 0.3 |
| Dockendorff 13A | Wm. Dockendorff & Sons, Danville | 550 | 105.66 | 88.31 | 95.8 | 25.2 | 8.7 | 14.2 | 3.0 | 0.9 |
| Federal 40 | Federal Hybrids, Marion | 50 | 105.09 | 85.90 | 91.9 | 22.5 | 14.5 | 9.1 | 3.0 | 0.0 |
| Pioneer 302 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 25,000 | 104.93 | 81.74 | 94.4 | 26.2 | 7.4 | 6.5 | 3.3 | 0.6 |
| Iowa-Missouri 375A | Iowa-Missouri Hybrid Corn Co., Keosauqua | 1,341 | 104.86 | 86.46 | 94.4 | 24.1 | 10.0 | 13.2 | 3.0 | 0.6 |
| Turner T60 | Turner Hybrid Seed Corn Co., Grand Junction | 1,800 | 104.48 | 81.82 | 94.2 | 22.1 | 9.7 | 9.4 | 3.0 | 0.3 |
| 123-1 | W. O. McCurdy & Sons, Fremont | 600 | 104.42 | 83.26 | 94.7 | 27.2 | 5.9 | 10.6 | 3.0 | 0.6 |
| M13 | Munson Hybrids, Galesburg, Ill. | 1,000 | 104.29 | 85.51 | 94.4 | 23.7 | 9.7 | 13.8 | 3.0 | 0.6 |
| Iowa Hybrid 4385 | Iowa Crop Improvement Assn., Ames | Comp. | 104.05 | 81.09 | 94.4 | 21.8 | 7.4 | 12.1 | 3.2 | 0.3 |
| Heim 350C | Heim Hybrid Seed Corn Co., Lake City | 60 | 103.76 | 82.93 | 91.9 | 23.1 | 10.3 | 11.5 | 3.0 | 0.0 |
| Null N-68 | Null Seed Farms, Colchester, Ill. | 345 | 103.68 | 85.30 | 93.1 | 24.8 | 18.5 | 5.4 | 3.0 | 0.0 |
| Maygold 47 | Earl E. May Seed Co., Shenandoah | 4,000 | 103.15 | 84.54 | 94.2 | 25.5 | 7.1 | 16.2 | 3.0 | 0.0 |
| 124-H | Holder Hybrid Seed Farms, Tipton | 300 | 103.14 | 81.26 | 95.3 | 25.9 | 5.3 | 12.5 | 3.0 | 0.6 |
| Pioneer 301 | Pioneer Hi-Bred Corn Co., Des Moines | 3,360 | 102.86 | 90.03 | 93.1 | 23.8 | 23.6 | 10.5 | 3.0 | 0.0 |
| U. S. Hybrid 13 | J. H. Isenhart, Batavia | 1,000 | 102.62 | 83.96 | 92.2 | 24.4 | 8.1 | 16.3 | 2.7 | 1.2 |
| P121 | Pittmann Farm Seeds, Avoca | 1,800 | 102.60 | 82.89 | 91.9 | 26.6 | 5.7 | 15.4 | 2.7 | 0.0 |
| Farmers 588 | Farmers Hybrid Seed Corn Co., Hampton | 3,000 | 102.59 | 81.95 | 92.2 | 23.1 | 10.5 | 12.4 | 3.0 | 0.6 |
| Funk G-95 | Funk Bros. Seed Co., Belle Plaine | 2,079 | 102.45 | 87.86 | 95.0 | 24.4 | 13.5 | 17.5 | 3.0 | 0.3 |
| PAG 392 | Shrock Hybrid Corn Co., Congerville, Ill. | 2,000 | 102.43 | 80.44 | 92.2 | 22.5 | 6.6 | 14.8 | 3.0 | 1.2 |
| Ohio Hybrid C92 | Iowa Corn & Small Grain Growers Assn., Ames | * | 102.37 | 77.43 | 88.9 | 23.7 | 8.4 | 7.8 | 3.0 | 0.0 |
| Pioneer X7482 | Pioneer Hi-Bred Corn Co., Des Moines | 57 | 101.41 | 82.64 | 90.3 | 23.4 | 15.7 | 11.1 | 2.8 | 0.0 |
| U. S. Hybrid 35 | Iowa Crop Improvement Assn., Ames | Comp. | 101.35 | 78.08 | 93.1 | 27.2 | 6.6 | 9.6 | 3.2 | 0.6 |
| Cornhusker 63 | Cornhusker Hybrid Co., Fremont, Nebr. | 5,280 | 100.75 | 77.04 | 90.3 | 24.8 | 12.0 | 6.5 | 3.0 | 0.3 |
| DeKalb 847 | Iowa Corn & Small Grain Growers Assn., Ames | * | 100.52 | 79.88 | 91.7 | 23.1 | 10.3 | 14.6 | 3.2 | 0.6 |
| 218-B | Holden Hybrid Seed Farms, Tipton | 1,100 | 100.51 | 80.06 | 95.0 | 22.1 | 11.7 | 14.6 | 2.8 | 0.0 |

| | | | | | | | | | | |
|------------------------|---|--------|--------|-------|------|------|------|------|-----|-----|
| U. S. Hybrid 13 | Lincoln Seed Co., Pacific Junction | 1,000 | 100.49 | 83.10 | 93.3 | 25.2 | 3.6 | 24.1 | 3.2 | 0.9 |
| Meyer 591 | Winterst Hybrid Co., Winterset | 475 | 100.46 | 79.97 | 97.5 | 25.5 | 4.8 | 17.7 | 2.8 | 1.4 |
| CH-68 | Christoferson & Son, Audubon | 350 | 100.00 | 80.20 | 93.6 | 24.4 | 10.4 | 14.8 | 2.8 | 0.9 |
| W-300 | Wilson Hybrids, Inc., Harlan | 5,000 | 99.67 | 74.39 | 92.8 | 23.7 | 6.6 | 11.7 | 3.0 | 0.0 |
| 124-2 | W. O. McCurdy & Sons, Fremont | 1,400 | 99.21 | 74.08 | 93.6 | 22.1 | 7.1 | 13.4 | 3.0 | 0.0 |
| U-BBF50 | United Hybrid Growers Assn., Shenandoah | 1,300 | 99.16 | 75.50 | 87.2 | 23.1 | 5.7 | 15.9 | 2.8 | 0.3 |
| Turner S63 | Turner Hybrid Seed Corn Co., Grand Junction | 2,000 | 99.15 | 76.88 | 91.7 | 26.9 | 6.4 | 13.6 | 3.0 | 0.6 |
| C-33 | Carlson Hybrid Corn Co., Audubon | 2,900 | 99.06 | 73.84 | 95.8 | 24.1 | 9.0 | 17.7 | 3.0 | 2.6 |
| H-44 | Holden Foundation Hybrids, Williamsburg | 1,000 | 98.65 | 83.10 | 96.1 | 24.8 | 14.2 | 18.5 | 3.0 | 0.6 |
| Crow 608 | Crow Hybrid Corn Co., Nevada | 1,500 | 98.56 | 73.30 | 86.9 | 23.1 | 7.0 | 13.4 | 3.0 | 0.6 |
| 349 | Cargill, Inc., Grinnell | 2,200 | 98.51 | 84.55 | 94.7 | 25.1 | 15.0 | 19.7 | 3.0 | 1.2 |
| Funk G-94 | Iowa Corn & Small Grain Growers Assn., Ames | 1,587 | 98.33 | 81.15 | 89.7 | 23.4 | 9.6 | 22.0 | 3.0 | 1.2 |
| Funk G-99 | Funk Bros. Seed Co., Belle Plaine | 2,000 | 98.29 | 82.79 | 93.3 | 25.5 | 22.0 | 10.4 | 3.0 | 0.3 |
| PAG 185 | Missouri Pfister Growers, Inc., Carrollton, Mo. | 5,000 | 98.07 | 74.24 | 93.1 | 23.4 | 11.0 | 11.0 | 3.0 | 0.6 |
| Pioneer 339 | Iowa Corn & Small Grain Growers Assn., Ames | 2,000 | 98.00 | 79.30 | 93.3 | 23.1 | 15.5 | 14.9 | 3.0 | 0.0 |
| U57 | United Hybrid Growers Assn., Shenandoah | 5,400 | 97.67 | 79.67 | 90.0 | 22.8 | 19.8 | 12.0 | 3.0 | 0.6 |
| U. S. Hybrid 13 | Iowa Corn & Small Grain Growers Assn., Ames | 50 | 97.32 | 79.94 | 90.8 | 24.4 | 11.6 | 19.9 | 3.2 | 0.6 |
| Tweedy 66 | R. J. Tweedy & Sons, Mt. Pleasant | 325 | 97.28 | 79.30 | 92.8 | 23.8 | 9.6 | 21.6 | 3.0 | 0.9 |
| ACE 233 | Elison Seed Sales, West Liberty | 5,500 | 97.21 | 72.08 | 93.1 | 24.4 | 2.4 | 17.6 | 3.2 | 0.3 |
| U50A | United Hybrid Growers Assn., Shenandoah | 90 | 97.18 | 74.28 | 93.1 | 22.5 | 12.5 | 12.8 | 3.0 | 0.0 |
| DeKalb 800A | Iowa Corn & Small Grain Growers Assn., Ames | 5,100 | 96.93 | 78.22 | 96.1 | 23.7 | 7.2 | 23.4 | 3.2 | 0.3 |
| U6 (white) | United Hybrid Growers Assn., Shenandoah | 1,466 | 96.60 | 79.04 | 90.0 | 30.5 | 24.4 | 1.9 | 3.3 | 0.0 |
| Tomahawk 92 | Thompson Hybrid Corn Co., Inc., Belmond | 1,000 | 96.50 | 78.59 | 95.6 | 23.7 | 11.9 | 20.4 | 3.0 | 0.3 |
| U62A | United Hybrid Growers Assn., Shenandoah | 90 | 96.01 | 72.70 | 89.2 | 27.2 | 4.7 | 16.5 | 3.0 | 0.3 |
| U63A | United Hybrid Growers Assn., Shenandoah | 90 | 95.52 | 83.22 | 90.0 | 29.2 | 16.4 | 20.1 | 3.3 | 0.3 |
| Iowa Hybrid 4513 | Iowa Crop Improvement Assn., Ames | Comp. | 94.54 | 75.81 | 89.4 | 24.4 | 16.5 | 15.8 | 2.8 | 0.0 |
| PAG 170 | Iowa Corn & Small Grain Growers Assn., Ames | 300 | 94.46 | 80.61 | 93.3 | 23.7 | 25.3 | 14.9 | 3.0 | 0.6 |
| Harper 400H | Harper Hardy Hybrids, Vinton | 300 | 93.59 | 81.66 | 95.8 | 20.5 | 23.8 | 21.5 | 2.7 | 0.0 |
| Pioneer 336 | Iowa Corn & Small Grain Growers Assn., Ames | * | 92.46 | 75.23 | 91.7 | 24.8 | 1.6 | 24.4 | 3.0 | 0.4 |
| Pioneer 300 | Iowa Corn & Small Grain Growers Assn., Ames | * | 91.81 | 81.15 | 92.8 | 26.9 | 25.8 | 18.6 | 3.0 | 0.9 |
| 350 | Cargill, Inc., Grinnell | 7,500 | 91.75 | 77.98 | 90.6 | 24.4 | 21.8 | 19.9 | 3.0 | 1.8 |
| Pioneer 335 | Iowa Corn & Small Grain Growers Assn., Ames | 1,050 | 91.58 | 83.99 | 93.9 | 25.9 | 33.7 | 16.6 | 3.0 | 0.3 |
| Cornhusker 45 | Cornhusker Hybrid Co., Fremont, Nebr. | 39,350 | 90.42 | 81.90 | 91.4 | 27.7 | 41.0 | 17.3 | 3.3 | 0.0 |
| Pioneer 335 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 39,350 | 88.98 | 78.68 | 88.6 | 25.5 | 30.1 | 18.8 | 3.0 | 0.6 |
| Average of all entries | | | 81.02 | 92.7 | 24.4 | 12.3 | 14.3 | 3.0 | 0.5 | |

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 6.05 bushels an acre are not considered significant.

TABLE 22. DISTRICT TWELVE

This table shows the performance of 64 hybrids tested near Danville in Des Moines County.

Date planted—May 8, 1951

Cooperator—Howard Waters

Date harvested—Oct. 19 and 24, 1951

| Hybrid | Name and address of entrant | Bushels available for plant- ing in 1951 | Perform- ance score | Acres yield bu./r | Stand pct. | Moist. pct. | Lodging | | Ear ht. | Drop'd H. tur- cium | |
|-----------------|---|---|---------------------------|-------------------------|---------------|----------------|---------|-------|------------|------------------------|-----|
| | | | | | | | root | stalk | | pct. | av. |
| Maygold 50A | Earl E. May Seed Co., Shenandoah | 60 | 133.82 | 79.55 | 95.0 | 20.5 | 12.0 | 4.7 | 3.0 | 0.3 | 4.0 |
| Bear OK-39 | Bear Hybrids Corn Co., Decatur, Ill. | 500 | 120.23 | 90.13 | 91.9 | 22.5 | 33.1 | 7.0 | 3.0 | 0.3 | 2.8 |
| ACE 233 | Eliason Seed Sales, West Liberty | 325 | 119.49 | 82.00 | 92.8 | 20.2 | 21.3 | 10.2 | 3.0 | 0.6 | 3.8 |
| C318 | Clarke Hybrid Corn Co., Conrad | 167 | 116.01 | 81.37 | 90.3 | 19.5 | 32.3 | 9.5 | 3.0 | 0.3 | 3.8 |
| Farmers 588 | Farmers Hybrid Seed Co., Hampton | 3,000 | 115.82 | 80.41 | 86.7 | 21.4 | 33.7 | 6.7 | 3.0 | 0.3 | 4.2 |
| P121 | Pittmann Farm Seeds, Avoca | 1,800 | 114.42 | 84.84 | 90.6 | 22.3 | 31.9 | 13.5 | 2.8 | 0.3 | 3.3 |
| Federal 40 | Federal Hybrids, Marion | 50 | 112.96 | 84.28 | 95.0 | 20.5 | 38.9 | 8.8 | 3.0 | 0.6 | 3.7 |
| 124-2 | W. O. McCurdy & Sons, Fremont | 1,400 | 111.89 | 77.69 | 89.2 | 18.4 | 41.1 | 3.7 | 3.0 | 0.0 | 4.5 |
| 123-1 | W. O. McCurdy & Sons, Fremont | 600 | 110.22 | 86.75 | 95.3 | 23.1 | 41.1 | 10.8 | 2.8 | 0.9 | 3.2 |
| M13 | Munson Hybrids, Galesburg, Ill. | 1,000 | 109.60 | 86.13 | 95.6 | 22.5 | 43.6 | 9.0 | 3.0 | 0.3 | 3.5 |
| Null N-68 | Null Seed Farms, Colchester, Ill. | 345 | 109.57 | 89.08 | 91.9 | 21.0 | 50.5 | 5.4 | 3.0 | 0.0 | 3.7 |
| Dockendorff 13A | Wm. Dockendorff & Sons, Danville | 550 | 109.39 | 89.69 | 95.0 | 21.1 | 43.3 | 13.2 | 2.8 | 0.6 | 3.7 |
| Isehart 141 | J. H. Isehart, Batavia | 250 | 109.04 | 90.50 | 96.7 | 23.1 | 49.4 | 7.2 | 3.0 | 0.3 | 3.2 |
| Maygold 59A | Earl E. May Seed Co., Shenandoah | 19,600 | 108.61 | 88.72 | 91.1 | 20.5 | 50.0 | 7.0 | 3.0 | 0.3 | 4.2 |
| 349 | Cargill, Inc., Grinnell | 2,200 | 108.23 | 83.41 | 92.5 | 23.7 | 42.0 | 9.6 | 2.8 | 0.0 | 3.5 |
| Funk G-95 | Funk Bros. Seed Co., Belle Plaine | 2,079 | 107.86 | 82.83 | 89.4 | 20.8 | 41.0 | 12.1 | 3.0 | 0.0 | 3.8 |
| Tomahawk 92 | Thompson Hybrid Corn Co., Inc., Belmond | 1,466 | 107.53 | 82.13 | 93.1 | 20.2 | 34.6 | 18.5 | 3.0 | 0.6 | 4.5 |
| Funk G-94 | Iowa Corn & Small Grain Growers Assn., Ames | 4,000 | 107.44 | 78.16 | 88.3 | 20.5 | 34.9 | 15.1 | 3.0 | 0.0 | 4.0 |
| Maygold 47 | Earl E. May Seed Co., Shenandoah | 5,280 | 107.35 | 86.29 | 89.4 | 21.4 | 47.8 | 8.4 | 3.0 | 0.3 | 3.5 |
| Cornhusker 63 | Cornhusker Hybrid Corn Co., Fremont, Nebr. | 2,000 | 106.85 | 78.00 | 84.7 | 18.2 | 44.3 | 7.5 | 2.8 | 0.0 | 4.5 |
| C-33 | Carlson Hybrid Corn Co., Audubon | 2,000 | 106.77 | 77.49 | 90.8 | 21.1 | 33.6 | 16.2 | 2.7 | 0.9 | 4.2 |
| Tweedy 66 | R. J. Tweedy & Sons, Mt. Pleasant | 50 | 105.98 | 77.74 | 97.5 | 22.3 | 41.9 | 8.8 | 3.0 | 0.0 | 4.0 |
| 124-H | Holden Hybrid Seed Farms, Tipton | 300 | 105.68 | 83.37 | 94.2 | 20.2 | 49.3 | 7.4 | 3.0 | 0.3 | 3.7 |
| Pioneer 339 | Iowa Corn & Small Grain Growers Assn., Ames | 5,000 | 104.50 | 72.31 | 91.9 | 20.2 | 42.3 | 7.3 | 2.8 | 0.3 | 4.3 |
| W-300 | Wilson Hybrids, Inc., Harlan | 5,000 | 103.93 | 74.56 | 91.1 | 20.5 | 43.9 | 7.6 | 3.0 | 0.6 | 4.2 |
| Crow 608 | Crow Hybrid Corn Co., Nevada | 1,500 | 103.52 | 71.61 | 80.8 | 19.5 | 43.0 | 7.2 | 3.0 | 0.3 | 4.3 |
| CH-68 | Christoffersen & Son, Audubon | 350 | 103.41 | 81.44 | 95.6 | 21.7 | 52.6 | 4.7 | 2.8 | 0.3 | 3.5 |
| U S. Hybrid 13 | J. H. Isehart, Batavia | 1,000 | 102.92 | 82.42 | 95.0 | 20.5 | 47.1 | 12.3 | 3.0 | 0.0 | 3.8 |
| 350 | Cargill, Inc., Grinnell | 7,500 | 102.88 | 81.77 | 90.6 | 20.4 | 42.9 | 16.0 | 3.0 | 0.3 | 3.8 |
| FAG 392 | Shrock Hybrid Corn Co., Congerville, Ill. | 2,000 | 101.31 | 76.00 | 95.0 | 19.1 | 43.9 | 12.3 | 3.0 | 0.0 | 4.3 |

| | | | | | | | | | | |
|------------------------|---|--------|--------|-------|------|------|------|------|-----|-----|
| Ohio Hybrid C92 | Iowa Corn & Small Grain Growers Assn., Ames | 101.48 | 85.73 | 93.3 | 19.5 | 57.4 | 6.9 | 3.0 | 0.6 | 3.8 |
| 218-B | Holden Hybrid Seed Farms, Tipton | 1,100 | 79.37 | 96.1 | 19.5 | 49.1 | 10.7 | 3.0 | 0.0 | 4.3 |
| Heim 950C | Heim Hybrid Seed Corn Co., Lake City | 60 | 100.07 | 95.6 | 23.1 | 52.9 | 6.4 | 3.0 | 0.0 | 3.7 |
| U. S. Hybrid 13 | Lincoln Seed Co., Pacific Junction | 1,000 | 100.30 | 94.7 | 23.7 | 46.9 | 10.6 | 3.2 | 0.6 | 3.0 |
| Turner T60 | Turner Hybrid Seed Corn Co., Grand Junction | 1,800 | 100.13 | 79.21 | 96.1 | 53.2 | 6.7 | 3.0 | 0.6 | 3.5 |
| U57 | United Hybrid Growers Assn., Shenandoah | 5,400 | 99.96 | 76.77 | 92.2 | 19.5 | 50.6 | 8.4 | 2.8 | 4.8 |
| PAG Ex4343 | Pfister Associated Growers, Inc., Monroe | 1,200 | 99.80 | 77.15 | 91.7 | 19.1 | 53.9 | 5.8 | 3.0 | 4.0 |
| U. S. Hybrid 13 | Iowa Corn & Small Grain Growers Assn., Ames | 100 | 99.55 | 83.38 | 94.4 | 21.1 | 50.0 | 14.1 | 3.0 | 3.3 |
| H-44 | Holden Foundation Hybrids, Williamsburg | 100 | 99.19 | 83.68 | 95.6 | 22.5 | 52.9 | 11.3 | 3.0 | 4.2 |
| Pioneer X7482 | Pioneer Hi-Bred Corn Co., Des Moines | 57 | 98.62 | 85.86 | 98.1 | 20.5 | 53.5 | 9.1 | 2.5 | 4.7 |
| Turner S53 | Turner Hybrid Seed Corn Co., Grand Junction | 2,000 | 97.85 | 83.25 | 95.3 | 22.5 | 50.2 | 15.5 | 3.0 | 3.7 |
| Iowa Hybrid 4385 | Iowa Crop Improvement Assn., Ames | Comp. | 97.25 | 76.40 | 93.1 | 21.1 | 57.6 | 3.9 | 3.0 | 4.2 |
| Meyer 931 | Winterset Hybrid Co., Winterset | 475 | 96.35 | 76.27 | 96.1 | 18.6 | 39.9 | 24.0 | 2.5 | 0.0 |
| U. S. Hybrid 35 | Iowa Crop Improvement Assn., Ames | Comp. | 95.45 | 81.25 | 92.5 | 19.1 | 56.5 | 12.3 | 2.8 | 4.5 |
| PAG 135 | Missouri-Pfister Growers, Inc., Carrollton, Mo. | 2,000 | 95.30 | 77.39 | 88.9 | 19.5 | 52.8 | 12.8 | 0.3 | 4.0 |
| DeKalb 847 | Iowa Corn & Small Grain Growers Assn., Ames | * | 94.61 | 80.21 | 90.3 | 20.1 | 61.5 | 7.1 | 2.7 | 0.0 |
| Pioneer 302 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 25,000 | 93.03 | 83.31 | 94.4 | 25.2 | 65.3 | 5.3 | 3.0 | 2.3 |
| Funk G-99 | Funk Bros. Seed Co., Belle Plaine | 1,887 | 92.80 | 80.74 | 94.7 | 24.4 | 59.3 | 9.4 | 3.0 | 3.3 |
| Harper 400H | Harper Hardy Hybrids, Vinton | 300 | 91.65 | 82.00 | 96.7 | 18.5 | 66.2 | 3.5 | 2.3 | 0.0 |
| Pioneer 336 | Iowa Corn & Small Grain Growers Assn., Ames | * | 90.60 | 77.43 | 93.9 | 20.5 | 58.3 | 13.0 | 3.0 | 4.2 |
| Iowa-Missouri 375A | Iowa-Missouri Hybrid Corn Co., Keosauqua | 1,341 | 90.23 | 83.54 | 95.6 | 22.4 | 60.8 | 15.1 | 2.8 | 0.0 |
| Iowa Hybrid 4513 | Iowa Crop Improvement Assn., Ames | Comp. | 88.48 | 74.02 | 93.6 | 20.2 | 56.1 | 15.4 | 2.7 | 0.0 |
| U-BBF50 | United Hybrid Growers Assn., Shenandoah | 1,300 | 88.13 | 72.12 | 81.4 | 21.1 | 55.3 | 14.7 | 2.8 | 0.0 |
| DeKalb 800A | Iowa Corn & Small Grain Growers Assn., Ames | * | 87.63 | 73.72 | 90.8 | 21.7 | 59.6 | 11.9 | 3.0 | 4.0 |
| U62A | United Hybrid Growers Assn., Shenandoah | 1,000 | 86.91 | 72.73 | 91.9 | 23.7 | 48.9 | 21.8 | 2.7 | 0.3 |
| Pioneer 301 | Pioneer Hi-Bred Corn Co., Des Moines | 2,360 | 86.78 | 86.95 | 93.9 | 20.1 | 73.7 | 10.7 | 3.0 | 4.3 |
| Pioneer 300 | Iowa Corn & Small Grain Growers Assn., Ames | * | 86.47 | 76.42 | 94.2 | 22.5 | 63.7 | 11.2 | 3.0 | 4.2 |
| PAG 179 | Iowa Corn & Small Grain Growers Assn., Ames | * | 84.68 | 77.42 | 90.6 | 18.5 | 67.8 | 12.3 | 3.0 | 4.8 |
| U50A | United Hybrid Growers Assn., Shenandoah | 5,500 | 83.35 | 70.01 | 88.1 | 19.9 | 66.6 | 8.5 | 2.7 | 0.0 |
| Pioneer 335 | Garst & Thomas Hybrid Corn Co., Coon Rapids | 39,350 | 82.99 | 77.96 | 92.8 | 21.1 | 68.6 | 12.9 | 2.7 | 0.0 |
| Pioneer 335 | Iowa Corn & Small Grain Growers Assn., Ames | * | 79.49 | 81.13 | 96.1 | 20.2 | 75.4 | 13.6 | 2.8 | 0.0 |
| U63A | United Hybrid Growers Assn., Shenandoah | 90 | 78.21 | 75.02 | 89.2 | 27.2 | 69.5 | 12.8 | 3.0 | 3.0 |
| U6 (white) | United Hybrid Growers Assn., Shenandoah | 5,100 | 76.71 | 72.36 | 94.4 | 28.9 | 79.1 | 2.1 | 3.0 | 2.8 |
| Cornhusker 45 | Cornhusker Hybrid Co., Fremont, Nebr. | 1,050 | 66.76 | 65.56 | 95.0 | 25.9 | 83.6 | 6.4 | 3.0 | 3.5 |
| Average of all entries | | | 80.12 | 92.6 | 92.6 | 50.6 | 10.3 | 2.9 | 0.0 | 3.9 |

* Widely grown hybrids as determined by a survey of farmers.

† Differences in yield between any two entries of less than 4.79 bushels an acre are not considered significant.

INDEX OF ENTRIES

Entries in the 1951 Yield Test are listed alphabetically showing the type of cross, sections where tested and table numbers where information can be found. Where a hybrid is entered more than once in a section, the number of times entered is shown with the section letter (as NCs).

| Hybrid | Type of cross | Section entered* | Performance record in table no. | Hybrid | Type of cross | Section entered* | Performance record in table no. |
|----------------|---------------|------------------|---------------------------------|-----------------|---------------|------------------|---------------------------------|
| ACE 233 | 3x | S | 11, 21, 22 | DeKalb 241 | | N | 4, 8, 12-14 |
| ACE 340-N | 4x | SC | 10, 18-20 | DeKalb 404A | | N, NC | 4, 5, 8, 9, 12-17 |
| Bear OK-31 | 4x | NC | 5, 9, 15-17 | DeKalb 406 | | N, NC | 4, 5, 8, 9, 12-17 |
| Bear OK-50 | 4x | SC | 10, 18-20 | DeKalb 410 | | N | 4, 8, 12-14 |
| Bear OK-89 | 4x | S | 11, 21, 22 | DeKalb 627 | | SC | 6, 10, 18-20 |
| Beeghly B | 4x | NC | 9, 15-17 | DeKalb 800A | | S | 7, 11, 21, 22 |
| Blaney B50 | 4x | N | 8, 12-14 | DeKalb 847 | | S | 7, 11, 21, 22 |
| Cargill N150 | 4x | N | 8, 12-14 | Dockendorff 13A | 4x | S | 7, 11, 21, 22 |
| Cargill 200 | 4x | N | 8, 12-14 | Epley Medium | 4x | NC | 9, 15-17 |
| Cargill 250 | 4x | NC | 9, 15-17 | Epley HOW | 4x | N | 8, 12-14 |
| Cargill 251 | 4x | NC | 9, 15-17 | Exp. W-H | 4x | N | 4, 8, 12-14 |
| Cargill 300A | 4x | SC | 10, 18-20 | Farmers 223 | 4x | N | 4, 8, 12-14 |
| Cargill 328 | 4x | N | 8, 12-14 | Farmers 322 | 4x | NC | 5, 9, 15-17 |
| Cargill 333 | 4x | SC | 10, 18-20 | Farmers 327 | 4x | NC | 9, 15-17 |
| Cargill 337 | 4x | SC | 10, 18-20 | Farmers 388 | | N | 8, 12-14 |
| Cargill 349 | 4x | S | 11, 21-22 | Farmers 427A | | N, NC | 5, 8, 9, 12-17 |
| Cargill 350 | 4x | S | 11, 21-22 | Farmers 488 | | SC | 6, 10, 18-20 |
| Carlson C-7 | 4x | N | 4, 8, 12-14 | Farmers 509 | 4x | SC | 6, 10, 18-20 |
| Carlson C-8 | 4x | N | 4, 8, 12-14 | Farmers 555 | 4x | SC | 6, 10, 18-20 |
| Carlson C-12 | 4x | NC | 5, 9, 15-17 | Farmers 588 | 4x | S | 7, 11, 21, 22 |
| Carlson C-22 | 4x | SC | 6, 10, 18-20 | Federal 40 | 4x | S | 11, 21, 22 |
| Carlson C-25 | 4x | SC | 10, 18-20 | Federal 41 | 4x | SC | 10, 18-20 |
| Carlson C-33 | 4x | S | 7, 11, 21, 22 | Federal 155 | 4x | SC | 10, 18-20 |
| Christoffersen | | | | Federal 240 | 4x | NC | 9, 15-17 |
| CH-38 | 4x | N | 8, 12-14 | Federal 300 | 4x | N | 8, 12-14 |
| CH-48 | 4x | NC | 9, 15-17 | Federal 300A | 4x | N | 8, 12-14 |
| CH-58 | 4x | SC | 10, 18-20 | Funk G-1A | 4x | N | 4, 8, 12-14 |
| CH-68 | 4x | S | 11, 21, 22 | Funk G-6 | | N | 8, 12-14 |
| Clarke C15 | 4x | N | 4, 8, 12-14 | Funk G-28 | 4x | N | 8, 12-14 |
| Clarke C17 | 4x | N | 8, 12-14 | Funk G-30 | 4x | N | 8, 12-14 |
| Clarke C217 | 4x | N | 4, 8, 12-14 | Funk G-37 | 4x | SC | 6, 10, 18-20 |
| Clarke C257 | 4x | NC | 5, 9, 15-17 | Funk G-45 | 4x | NC | 9, 15-17 |
| Clarke C258 | 4x | NC | 5, 9, 15-17 | Funk G-54 | 4x | SC | 6, 10, 18-20 |
| Clarke C277 | 4x | SC | 6, 10, 18-20 | Funk G-60 | 4x | SC | 10, 18-20 |
| Clarke C318 | 4x | S | 11, 21, 22 | Funk G-65 | 4x | SC | 10, 18-20 |
| Clarke C320 | 4x | SC | 6, 10, 18-20 | Funk G-68 | 4x | N | 8, 12-14 |
| Coppock 52A | 4x | SC | 10, 18-20 | Funk G-68A | 4x | N | 8, 12-14 |
| Cornelius C43 | 4x | NC | 5, 9, 15-17 | Funk G-77A | 4x | NC | 9, 15-17 |
| Cornelius C66 | 4x | SC | 6, 10, 18-20 | Funk G-94 | | S | 11, 21, 22 |
| Cornelius 404 | 4x | N | 8, 12-14 | Funk G-95 | 4x | S | 7, 11, 21, 22 |
| Cornhusker 45 | 4x | S | 11, 21, 22 | Funk G-99 | 4x | S | 7, 11, 21, 22 |
| Cornhusker 63 | 4x | S | 11, 21, 22 | Funk G-114 | 4x | N | 4, 8, 12-14 |
| Cornhusker 75 | 4x | SC | 6, 10, 18-20 | Funk 10562 | 4x | NC | 9, 15-17 |
| Cornhusker 83 | 4x | N | 4, 8, 12-14 | Funk 94420 | 4x | N | 8, 12-14 |
| Cornhusker 84 | 4x | NC | 9, 15-17 | Green Acres 472 | 4x | NC | 9, 15-17 |
| Cornhusker 85 | 4x | N | 4, 8, 12-14 | Harper 307H | 4x | SC | 10, 18-20 |
| Cornhusker 148 | 4x | SC | 10, 18-20 | Harper 400H | 4x | S | 11, 21, 22 |
| Corn King 112 | 3x | N | 8, 12-14 | Heim 600C | 4x | NC | 5, 9, 15-17 |
| Corn King 114 | 4x | NC | 5, 9, 15-17 | Heim 609C | 4x | SC | 10, 18-20 |
| Crow 260 | 4x | N | 8, 12-14 | Heim 650C | 4x | N | 4, 8, 12-14 |
| Crow 407 | | N | 8, 12-14 | Heim 950C | 4x | S | 11, 21, 22 |
| Crow 432 | 4x | NC | 9, 15-17 | Holden H-3 | 3x | SC | 6, 10, 18-20 |
| Crow 608 | 4x | S | 11, 21, 22 | Holden H-31 | 4x | N | 8, 12-14 |
| Crow 660 | 4x | SC | 10, 18-20 | Holden H-42 | 4x | NC | 9, 15-17 |
| Crow Deep Root | 2x | SC | 6, 10, 18-20 | Holden H-44 | 4x | S | 11, 21, 22 |

* N—Northern Section; NC—North Central Section; SC—South Central Section; S—Southern Section.

† 2x=single cross; 3x=three-way cross; 4x=double cross.

| Hybrid | Type off cross | Section entered* | Performance record in table no. | Hybrid | Type off cross | Section entered* | Performance record in table no. |
|--------------------|----------------------|----------------------------------|---------------------------------------|-------------------|----------------------|----------------------------------|---------------------------------------|
| Holden 45-H | 4x | N | 4, 8, 12-14 | Pioneer 336 | 4x | SC, S | 7, 10, 11, 18-22 |
| Holden 57-H | 4x | SC | 6, 10, 18-20 | Pioneer 337 | 4x | NC | 5, 9, 15-17 |
| Holden 77-H | 4x | SC | 6, 10, 18-20 | Pioneer 339 | 4x | NC, SC, S | 6, 7, 9-11, 15-22 |
| Holden 105-H | 4x | N | 8, 12-14 | Pioneer 340 | 4x | SC | 6, 10, 18-20 |
| Holden 124-H | 4x | S | 7, 11, 21, 22 | Pioneer 344 | 4x | N, NC ₂ | 4, 5, 8, 9, 12-17 |
| Holden 214-B | 3x | N | 4, 8, 12-14 | Pioneer 347 | 4x | NC ₂ | 5, 9, 15-17 |
| Holden 215-H | 3x | NC | 5, 9, 15-17 | Pioneer 348 | 4x | N | 8, 12-14 |
| Holden 218-B | 3x | S | 7, 11, 21, 22 | Pioneer 349 | 4x | N ₃ , NC | 4, 8, 9, 12-17 |
| Hunt 5220 | 4x | NC | 5, 9, 15-17 | Pioneer 350 | 4x | NC, SC | 9, 10, 15-20 |
| Iowa-Missouri 375A | 4x | S | 11, 21, 22 | Pioneer 350B | 4x | SC | 10, 18-20 |
| Isenhardt 141 | 4x | S | 11, 21, 22 | Pioneer 352 | 4x | N ₂ , NC ₂ | 4, 5, 8, 9, 12-17 |
| Jacobsen J-10 | 4x | N | 4, 8, 12-14 | Pioneer 372 | 4x | N | 8, 12-14 |
| Jacobsen J-24 | 4x | SC | 10, 18-20 | Pioneer X0001 | 4x | NC | 9, 15-17 |
| Jacobsen J-39-A | 4x | NC | 5, 9, 15-17 | Pioneer X6035 | 4x | SC | 6, 10, 18-20 |
| Maygold 47 | 4x | S | 11, 21, 22 | Pioneer X7164 | 4x | N | 8, 12-14 |
| Maygold 49 | 4x | SC | 6, 10, 18-20 | Pioneer X7278 | 4x | N | 8, 12-14 |
| Maygold 50A | 3x | S | 7, 11, 21, 22 | Pioneer X7482 | 4x | N | 11, 21, 22 |
| Maygold 59 | 4x | SC | 6, 10, 18-20 | Tomahawk 30 | 3x | N | 8, 12-14 |
| Maygold 59A | 4x | S | 7, 11, 21, 22 | Tomahawk 42 | 4x | N | 4, 8, 12-14 |
| Maygold 69 | 4x | NC | 5, 9, 15-17 | Tomahawk 60 | 3x | NC | 5, 9, 15-17 |
| Maygold 89 | 4x | NC | 5, 9, 15-17 | Tomahawk 80 | 3x | SC | 10, 18-20 |
| Maygold 99A | 4x | N | 4, 8, 12-14 | Tomahawk 85 | 4x | SC | 10, 18-20 |
| Maygold 1065 | 3x | N | 8, 12-14 | Tomahawk 92 | 4x | S | 11, 21, 22 |
| McCurdy 95M | 4x | N | 4, 8, 12-14 | Turner S53 | 4x | S | 7, 11, 21, 22 |
| McCurdy 96M | 4x | N | 4, 8, 12-14 | Turner S57 | 4x | SC | 6, 10, 18-20 |
| McCurdy 111M | 4x | N | 4, 18, 12-14 | Turner T12A | 4x | N | 8, 12-14 |
| McCurdy 117M | 4x | SC | 6, 10, 18-20 | Turner T27 | 4x | N | 4, 8, 12-14 |
| McCurdy 123-1 | 4x | S | 11, 21, 22 | Turner T48 | 4x | NC | 5, 9, 15-17 |
| McCurdy 124-2 | 4x | S | 7, 11, 21, 22 | Turner T60 | 4x | S | 7, 11, 21, 22 |
| McCurdy 600 | 2x | NC | 5, 9, 15-17 | Tweedy 66 | 4x | S | 11, 21, 22 |
| McCurdy 825 | 2x | SC | 6, 10, 18-20 | United U6 (white) | 4x | S | 11, 21, 22 |
| McCurdy 987M | 4x | SC | 6, 10, 18-20 | United U32 | 4x | N | 8, 12-14 |
| Mellowdent M88 | 4x | N | 8, 12-14 | United U32A | 4x | N | 4, 8, 12-14 |
| Mellowdent 89 | 4x | N | 8, 12-14 | United U38 | 3x | N | 8, 12-14 |
| Mellowdent 194 | 4x | NC | 9, 15-17 | United U36 | 4x | N | 4, 8, 12-14 |
| Mellowdent M195 | 4x | NC | 9, 15-17 | United U37A | 4x | N | 8, 12-14 |
| Meyer 591 | 4x | S | 7, 11, 21, 22 | United U39 | 4x | N | 4, 8, 12-14 |
| Moews 14 | 4x | SC | 10, 18-20 | United U40 | 4x | NC | 5, 9, 15-17 |
| Munson M13 | 4x | S | 11, 21, 22 | United U41 | 4x | NC | 5, 9, 15-17 |
| Null N-68 | 4x | S | 11, 21, 22 | United U42A | 4x | NC | 5, 9, 15-17 |
| PAG 170 | 4x | NC, SC, S | 5-7, 9-11, 15-22 | United U47 | 4x | NC | 5, 9, 15-17 |
| PAG 185 | 4x | S | 11, 21, 22 | United U47A | 4x | SC | 10, 18-20 |
| PAG 253 | 4x | N, NC | 4, 5, 8, 9, 12-17 | United U49 | 4x | SC | 6, 10, 18-20 |
| PAG 270 | 4x | N, NC | 4, 5, 8, 9, 12-17 | United U50 | 4x | SC | 6, 10, 18-20 |
| PAG 277 | 4x | N | 8, 12-14 | United U50A | 4x | S | 11, 21, 22 |
| PAG 281 | 4x | SC | 6, 10, 18-20 | United U52 | 4x | SC | 6, 10, 18-20 |
| PAG 282 | 4x | N | 4, 8, 12-14 | United U53 | 3x | SC | 10, 18-20 |
| PAG 299 | 4x | N, NC ₂ | 4, 5, 8, 9, 12-17 | United U57 | 4x | S | 11, 21, 22 |
| PAG 347 | 4x | NC, SC ₂ | 5, 6, 9, 10, 15-20 | United U59 | 4x | NC | 10, 18-20 |
| PAG 392 | 4x | SC, S | 6, 7, 10, 11, 18-22 | United U62A | 4x | S | 11, 21, 22 |
| PAG 365B | 4x | NC | 5, 9, 15-17 | United U63A | 3x | S | 11, 21, 22 |
| PAG X872 | 4x | NC | 9, 15-17 | United U-BBF50 | 4x | S | 11, 21, 22 |
| PAG X874 | 4x | SC | 10, 18-20 | Wilson W-77 | 4x | N | 4, 8, 12-14 |
| PAG Ex4199 | 4x | N | 8, 12-14 | Wilson W-145 | 4x | N | 4, 8, 12-14 |
| PAG Ex4341 | 4x | SC | 10, 18-20 | Wilson W-205A | 4x | SC | 6, 10, 18-20 |
| PAG Ex4343 | 4x | S | 11, 21, 22 | Wilson W-245 | 4x | NC | 5, 9, 15-17 |
| PAG Ex4506 | 4x | SC | 10, 18-20 | Wilson W-300 | 4x | S | 7, 11, 21, 22 |
| PAG 35-2965 | 4x | NC | 5, 9, 15-17 | Wilson W-310 | 4x | SC | 6, 10, 18-20 |
| Pliittmann P121 | 4x | S | 11, 21, 22 | | | | |
| Pioneer 300 | 4x | SC ₂ , S | 6, 7, 10, 11, 18-22 | | | | |
| Pioneer 301 | 4x | SC, S | 10, 11, 18-22 | | | | |
| Pioneer 302 | 4x | S | 7, 11, 21, 22 | | | | |
| Pioneer 322 | 4x | NC | 9, 15-17 | | | | |
| Pioneer 325 | 4x | NC | 9, 15-17 | | | | |
| Pioneer 335 | 4x | SC ₂ , S ₂ | 6, 7, 10, 11, 18-22 | | | | |

* N—Northern Section; NC—North Central Section; SC—South Central Section; S—Southern Section.

† 2x=single cross; 3x=three-way cross; 4x=double cross.

INDEX OF ENTRIES—(Continued)

Pedigrees of experiment station and U. S. hybrids included in the 1951 test are listed below.

| Hybrid | Pedigree | Section entered* | Performance record in table no. |
|---------------------|---------------------------------|-------------------------|---------------------------------|
| AES 801 (Ia. 4527) | (WF9 x B7) x (B10 x B14) | SC | 6, 10, 18-20 |
| Indiana Hybrid 608C | (WF9 x Hy) x (A x Tr) | NC | 5, 9, 15-17 |
| Iowa Hybrid 306 | (WF9 x Os420) x (L289 x I205) | NC | 5, 9, 15-17 |
| Iowa Hybrid 4249 | (M14 x 187-2) x (WF9 x Os420) | NC ₂ | 9, 15-17 |
| Iowa Hybrid 4297 | (M14 x 187-2) x (WF9 x I205) | N, NC ₂ , SC | 5, 6, 8-10, 12-20 |
| Iowa Hybrid 4298 | (WF9 x M14) x (Os420 x 187-2) | NC, SC | 5, 6, 9, 10, 15-20 |
| Iowa Hybrid 4316 | (WF9 x M14) x (L289 x I205) | N, NC | 8, 9, 12-17 |
| Iowa Hybrid 4345 | (WF9 x I205) x (M14 x Hy) | NC | 9, 15-17 |
| Iowa Hybrid 4376 | (M14 x 187-2) x (WF9 x B6) | NC | 5, 9, 15-17 |
| Iowa Hybrid 4385 | (WF9 x 38-11) x (187-2 x Oh07) | SC, S | 7, 10, 11, 18-22 |
| Iowa Hybrid 4397 | (M14 x W22) x (WF9 x I205) | NC | 5, 9, 15-17 |
| Iowa Hybrid 4412 | (M14 x 187-2) x (WF9 x Hy) | NC | 5, 9, 15-17 |
| Iowa Hybrid 4417 | (WF9 x M14) x (B8 x I153) | N | 4, 8, 12-14 |
| Iowa Hybrid 4418 | (WF9 x M14) x (W22 x I205) | NC | 9, 15-17 |
| Iowa Hybrid 4441 | (M14 x Oh28) x (B8 x Oh51A) | N | 4, 8, 12-14 |
| Iowa Hybrid 4450 | (WF9 x M14) x (187-2 x I205) | NC | 5, 9, 15-17 |
| Iowa Hybrid 4459 | (WF9 x Hy) x (Os420 x 187-2) | NC | 5, 9, 15-17 |
| Iowa Hybrid 4470 | (WF9 x M14) x (L289 x B6) | NC | 5, 9, 15-17 |
| Iowa Hybrid 4483 | (WF9 x M14) x (B8 x B16) | N | 8, 12-14 |
| Iowa Hybrid 4513 | (WF9 x 38-11) x (Os420 x 187-2) | S | 7, 11, 21, 22 |
| Iowa Hybrid 4517 | (WF9 x Hy) x (B7 x B14) | NC, SC | 6, 9, 10, 15-20 |
| Iowa Hybrid 4525 | (WF9 x B7) x (Hy x W22) | SC | 6, 10, 18-20 |
| Iowa Hybrid 4531 | (WF9 x Hy) x (B10 x B14) | SC | 6, 10, 18-20 |
| Iowa Hybrid 4535 | (WF9 x B14) x (187-2 x 38-11) | SC | 10, 18-20 |
| Iowa Hybrid 4537 | (WF9 x B14) x (I205 x 187-2) | NC | 9, 15-17 |
| Iowa Hybrid 4576 | (WF9 x M14) x (B7 x B14) | NC | 9, 15-17 |
| Ohio Hybrid C92 | (WF9 x 38-11) x (Hy x Oh07) | SC ₂ , S | 6, 7, 10, 11, 18-22 |
| U. S. Hybrid 13 | (WF9 x 38-11) x (Hy x L317) | SC, S ₂ | 7, 10, 11, 18-22 |
| U. S. Hybrid 35 | (WF9 x 38-11) x (Hy x R4) | SC, S | 7, 10, 11, 18-22 |

* N—Northern Section; NC—North Central Section; SC—South Central Section; S—Southern Section.